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taatccagc actttgggag gccacggcgg gtggatcacc tgaggtcagg aattcaagac 180  
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gtttagatta tctttaatct ccatgaaatc gtgaaataag acaagaatag tgtttcagct 360  
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<212> DNA

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atgtgtggth attgttttat gtatttgtct tttaaactat atagaagaaa aatgagttag	180
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<212> DNA

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<212> DNA

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<400> 21683

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<212> DNA

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caattaatgg atatattggt tgcttccagt ttttggtctt tacacaaaac ggtagttgca	180
catatacatg agtttacta agagttaatc caggaatgga attgctaggt tatagggtag	240
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cagttgaaga atttccttgc cctgccaggc 330

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<400> 21685  
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<210> 21686  
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gctgcctcgc taggtttccac ccctctgctt cctgccttcc ccctttacaa acctatcaaa 180  
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<210> 21702  
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184

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ggactaaccc ggcttccctt tgtggagttg tggtgagaaa ggtgttttgt tgtgcgcgtg      180
tccgaagggtg actccggagg agaaggtgga tatgaactga cggtgagggt gtacgcgcgtg      240
agatttgtat gtgaaac                                     257
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gcaccagag gtgcagcgac ttgcccaagc catgtcagag ccaggcgtag agcagcgctt      180
ccccttttca acccgactgc cctgccccctt ggggagggtta gatggaggga ggttcgactc      240
agaagcccca acgttgacca agatccagac acgaaaagga gaaaagagtt cccggctagc      300
acggcgacgc ttctataccg agasgcccc ctctcccgtt gcctcggctc cccctaccac      360
cgcccgtaact ctcccagatt tctcagt                                     387
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7010

<212> DNA  
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a 121

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<212> DNA  
<213> Homo sapiens

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tgcttctccc caggatgcgg gcagggggc 89

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<212> DNA  
<213> Homo sapiens

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tgccaaggga gacccccaca actggatgca gccactgaa gtcagcttcc tgggggtgcgt 180  
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ccccrdctc ttcagcagaa cttcatcagc acgtttttct gaagagaggg aaattatcca 300  
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catattttca cagcagct 378

<210> 21717  
<211> 371  
<212> DNA  
<213> Homo sapiens

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atacacgagc c 371

<210> 21718  
<211> 341  
<212> DNA  
<213> Homo sapiens

<400> 21718  
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ggtttcccat gtaatggaaa ttaacacgga cccaagcaga tttcccagac aggactttta 240  
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<210> 21719  
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<213> Homo sapiens

<400> 21719  
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<210> 21720  
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<212> DNA  
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agggagggaa ctgtggcccg caacaaagca gtgacaggcc cgacatcccc tgcagcgca 180  
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<210> 21721  
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<212> DNA  
<213> Homo sapiens

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<400> 21722



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tagcdtcgaa	aggaccctgg	gttttagcaaa	gtattaatgt	gtgtgggtttt	tttattttgt	180
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 <213> Homo sapiens

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atagcatagg	gcattcatat	gttcagttta	gcaggtaatg	gcagttttcc	aaagtgggtg	180
tatcagttta	cattccagag	ggcagtgtat	gagagttcct	gttaatccac	atcctccata	240
acacttggcc	ttttaatttt	gattttcaat	tttagccact	taggtgatat	atagtgggat	300
aacaaaaatga	tttttagtata	cattacctag	tacataaaat	gtttatttaa	aaatagtaaa	360
aaaaaaaaaa	aa					372

<210> 21724  
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 <212> DNA  
 <213> Homo sapiens

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tcactagcca	cctgcgccctc	cctgcccag				149

<210> 21725  
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 <213> Homo sapiens

<400> 21725						
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ttttatctaa	gcacagacct	aaacaaggtc	actgtgtaac	tcacaacata	cccaacatcc	120
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<210> 21726  
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ggttgtaata	aaggctgcat	tcaagaagac	ccatctgaac	aggtctcact	gtgttgccca	180
ggttggagtg	cagtggcgta	acctcccagg	ctccattgat	ctccctcctt	agcctcccag	240
atagctggga	ctgcagatgg	cccaaggggc	tatacaaaga	aagctgtttg	cacaggatag	300
aattaagagc	agcatgtcag	cattccgtct	gcagttgaga	tgttgattcc	tccttgtatt	360
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<210> 21727

<211> 466

<212> DNA

<213> Homo sapiens

<400> 21727

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aactgctgct	tttctcccta	aaagagccat	cctcatttca	gtggacaaca	atttcattct	180
tccatctttt	agggcttaaa	ctctggagtc	attctaaatt	ctctttctct	catgctgcac	240
ccactctggt	agcaaaccat	gtcagctgtg	ctttcacaat	aaattaagaa	acaactactt	300
aattcatcaa	attcatgttg	gtccaggaca	gaagacctgt	tctddctctt	agaatcggtt	360
cataactgag	cctcctgctt	gtagtcttgc	tctgtggta	tgttctcaaa	acagtaacca	420
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<210> 21728

<211> 191

<212> DNA

<213> Homo sapiens

<400> 21728

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ctggtctcga	gctcctgacc	tcagggtgatc	cgcccgcctc	ggcctcccag	agtgctggga	180
ttgcaggcta	t					191

<210> 21729

<211> 193

<212> DNA

<213> Homo sapiens

<400> 21729

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gcttatgtga	accccttggt	gaaggtcctt	ttccttggtat	gtgtagttat	atgatctttt	120
taaagtgtaca	gatattttgc	tataaaatcg	gtgcagtttt	ttatggtttt	tacacttctc	180
tttaattccc	acc					193

<210> 21730

<211> 81

<212> DNA

<213> Homo sapiens

<400> 21730

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<210> 21731

<211> 58

<212> DNA

<213> Homo sapiens

<400> 21731

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<211> 314
<212> DNA
<213> Homo sapiens
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<212> DNA
<213> Homo sapiens
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<212> DNA
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7015

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 cctgggagca gcagccgcc gccctcggg acctccatct ccacctgct gagccaccgc 180  
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 cggggcaagg cccaggtcct cccaggcagg agtgcgaggaga gcctgccctg ccctctgctt 300  
 ctgaggagca ggtagcccag gacacagagg aggttttccg caggcaank 349

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 actcatatgt atggaatttt aaattctctt agcctactga ttggtttgga tgagcacacc 180  
 agcaac 186

<210> 21739  
 <211> 239  
 <212> DNA  
 <213> Homo sapiens

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 ggtaaggga taccaggga gctggtaaag tgttatttct gggtatgcct ttgaagggtg 120  
 ttctgacaga gattagcctg tgagtcagtg gaccgagtaa ggaagagcca ccctcaccca 180  
 gtgtgagcgg gcaccatcca atcagggttg gggcctggat agaaaaaaaa ggccgagga 239

<210> 21740  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 21740  
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 tgctatctga gagcttcctc tgtacaataa aacttggctc ccacaatcct ttatcttaac 180  
 ctaaacattt catttctatt aatcccagggt ctttagataa actcaactag ttgtcaatca 240  
 gaaagtgttt aaatttacct atagcctgga agacccc 277

<210> 21741  
 <211> 340  
 <212> DNA  
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<400> 21741

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ccatggtttg	ttcaacatct	ccacctgtaa	tcctgtggcc	aacaccaatg	ccccaacctt	180
ccccacagc	tatcttcact	ctctgccttc	cccattctcag	atactgtcaa	ctccatcctt	240
ctgtcaggcc	aaaatccttg	gagccatcst	caactgctct	tttkgsttta	vatcccasat	300
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 <212> DNA  
 <213> Homo sapiens

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ggattcccat	gtaaattaac	amgmttactg	tgtaaacttt	gcagcagata	attacctgga	240
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ggctgttcta	atcactttgc	acttattatc	tcagtttttc	tcataaaaaa	ccatatggat	180
aggtattatt	attatcattc	ccaccttaca	gatgagtaaa	caaaggacca	gaaaggttta	240
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 <212> DNA  
 <213> Homo sapiens

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gatatccaga	tgcaaggctt	cttccgggca	tccctgggaa	tgggagtgca	tagacatact	180
ggtcaaatta	cagcacagcc	tctact				206

<210> 21746  
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<212> DNA

<213> Homo sapiens

<400> 21746

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aggggacttg ggtgacatcg ggttttgac agcagtgtat aggtccgaga gatgaactat	180
agggcaggct tggggagggc c	201

<210> 21747

<211> 68

<212> DNA

<213> Homo sapiens

<400> 21747

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<210> 21748

<211> 402

<212> DNA

<213> Homo sapiens

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<210> 21749

<211> 136

<212> DNA

<213> Homo sapiens

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<210> 21750

<211> 257

<212> DNA

<213> Homo sapiens

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ttacgaagca atactgtcca gttttcttgc tgtttttccg gtgttgact aaacctcgtg	180
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 <213> Homo sapiens

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 tttgggatgg agtcttgccc tgttgcccag gctggagtgc ggtggcgtga tctcatctcg 180  
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 agtgttttta atttggaaac gaa 263

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 acagctatgg acaggagtgg acctatgagc agcggat 157

<210> 21753  
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 <212> DNA  
 <213> Homo sapiens

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 gtgccactct ctggcctgat gccaggcagt ggcaagcaca cagagctgca gcacacatgc 120  
 ttctgctgtc aagaccctgc agtctaatac gggaaacaga tatgctgcgt tcatgaagaa 180  
 ttatgacacc aggaaatgtg tgatcaggag cccagacaag ctttattctt taagaccttt 240  
 ttgatcctaa gtgacagaaa acccaccca 269

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 <212> DNA  
 <213> Homo sapiens

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<210> 21755  
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 gccagtcaact gtctctccct gtctttatct tccctgctga gtggcatgtt gcttgcaagg 180  
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<212> DNA
<213> Homo sapiens
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<212> DNA
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<212> DNA
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<210> 21762
<211> 208
<212> DNA
<213> Homo sapiens

<400> 21762
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 attctgagtt cacagagcaa attaggagaa tcattttccaa ccattattta ctgcagtatg 180  
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<212> DNA

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<211> 284

<212> DNA

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<212> DNA

<213> Homo sapiens

<400> 21783

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aatgtggatt	ataggttaaga	ggcagaaaac	ggcaactgtg	acacgtacag	atttatttgg	180
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<212> DNA

<213> Homo sapiens

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091700Z APR 68
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<212> DNA

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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aaaactaagt agtttgaata gggattgcct ttttttttct gccaaagtac ttatgatact	180
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<212> DNA

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<400> 21800  
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<211> 203

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ggctggagta cagtggcggtg atctcagctc accacaacct ccacctcca ggttcaagca	180
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<211> 87

<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

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<212> DNA

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<212> DNA

<213> Homo sapiens

<400> 21824

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<210> 21825

<211> 126

<212> DNA

<213> Homo sapiens

<400> 21825

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<210> 21826

<211> 172

<212> DNA

<213> Homo sapiens

<400> 21826

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<210> 21827

<211> 188

<212> DNA

<213> Homo sapiens

<400> 21827

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ttattcgctt	ctcctgagga	tgacggtaag	atgacctaata	acaatcaggg	gcgaatctga	180
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<210> 21828

<211> 238

<212> DNA

<213> Homo sapiens

<400> 21828

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agatgaagat	cttccttttg	aaccaggcac	atttgcccc	ttctcagtga	ctgcactgtg	180
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<210> 21829

<211> 202

<212> DNA

<213> Homo sapiens

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gcaagaggaa aggagagaga aaccaggac ttagagacag agccccggag agactccgaa 180  
cagacccccg cacagagacg gc 202

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<212> DNA  
<213> Homo sapiens

<400> 21830  
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aa 182

<210> 21831  
<211> 232  
<212> DNA  
<213> Homo sapiens

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ccagctctat atattaccat aaaaaatctt taaatgtaca ccatgtaaca acacttatca 120  
acctaagagg aatgccaatt aatgcttgcv aaggcactct aagatttttt ttttacaagc 180  
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<211> 110  
<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA  
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 cttagaggtg 190

<210> 21835  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

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<210> 21836  
 <211> 228  
 <212> DNA  
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 ttktgtcadc tactgggggc aatatgccac cgatggcatt ggcaacgaga gtgtgaagat 180  
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 aataaataat ataattgggtg tagcacagt ccttgcattg agtaggcagc caacaaatcc 180  
 ttaatgattg gtaatgcaag ctaaaatttt taatgtctct actatccttt tttattgaat 240  
 aacgcac 247

<210> 21838  
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 <212> DNA  
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 catgctgcat tttcctctag ggcaaaaata aagcagtcatt tttcatgctt tgcaaaatag 180  
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 aaagccattc ccagaacagc agcaaaatgg aaacagccat ttggatgta taccaccttc 300  
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<210> 21839  
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<213> Homo sapiens

<400> 21839

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<210> 21840

<211> 354

<212> DNA

<213> Homo sapiens

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taatctttat	agcatcctta	tgactagact	gccttcttat	tcttattttt	actcatgaag	180
aatctgaagc	agtaaagtta	ttttcttgcc	caagcttaca	caacttggtt	gtaagtatac	240
ttgaactccg	atctacctgt	ctgactgtta	agttcatggg	tttaacacca	caactgcatta	300
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<210> 21841

<211> 147

<212> DNA

<213> Homo sapiens

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<210> 21842

<211> 404

<212> DNA

<213> Homo sapiens

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cgacctggmn	cgtttctaca	ctgtcaccga	gccccagcga	cacccgaggg	gctacacagt	180
atataaggtc	accgcccggg	ttgtttcacg	aagaaatcca	gaggatgtcc	aggagggaga	240
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aaaactcttt	tataataaca	actgttggtg	aaccattcat	ctgaaaactc	ttataattgt	360
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<210> 21843

<211> 397

<212> DNA

<213> Homo sapiens

<400> 21843

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ggattagacg	tcattcaggt	tgaacggagt	tccctgaggt	gggtgggtgc	gtgtttatgt	180
gttgagggga	ctattcctag	tttatgaggt	ggttaaggat	atcgggtggg	tgggctggag	240

cggtgtcggg ttaggtctga gagaaggcct cgcacaaaac actgtacaaa cccgaaagga 300  
 agtctgagag acgaaccgcc ttccctccctg aagcttctag aactggagca gaaagaaggt 360  
 gtggcccagg gccagccccg cctcctcccc gggcgga 397

<210> 21844  
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<210> 21845  
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 catcatgttc attagtata ctggct 86

<210> 21846  
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 cagaagtcca tctcccgaac agcagcgggg cgaaaagaaa gaaaaagggt ttccgaagac 180  
 tctactcac acccagcgtt tcccttaacc cggaagtgat ttccgcccct cctctccctc 240  
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agggtgattt ctggagaaaa ctactgtctc ctgaaagcat gcatagaagt cagtgtcac 180  
tcttgctaag ccacatatc cttaacgac cggttaata tttttaaaag atacctcctc 240  
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gagaggggta ggagaaaaaa tagaataata aggaaagtga agaaaggaga tattaatttc 360  
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<210> 21849  
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<210> 21850  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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taaaaaaaaa aattatccaa ttgaacgcac atta 154

<210> 21852  
<211> 179  
<212> DNA  
<213> Homo sapiens

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<210> 21853  
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<212> DNA  
<213> Homo sapiens



<210> 21858

<211> 111

<212> DNA

<213> Homo sapiens

<400> 21858

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<211> 255

<212> DNA

<213> Homo sapiens

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tacttgaagt tttagggtag atgtgcacaa cgtgcagggt tgttacatat gtatacatgt	180
gccatgttgg tgtgctgcac ccattaactc gtcatttaac attaggtata tctcctaata	240
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<211> 373

<212> DNA

<213> Homo sapiens

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<210> 21861

<211> 130

<212> DNA

<213> Homo sapiens

<400> 21861

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<210> 21862

<211> 233

<212> DNA

<213> Homo sapiens

<400> 21862

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ggctacgcct gtggtcctag cactttgtga ggccgaggag ggtggattag ttgaggccag 180  
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<400> 21864  
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gccttgagacc cccammccgg a 201

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<210> 21868  
<211> 169  
<212> DNA  
<213> Homo sapiens

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<210> 21869  
<211> 184  
<212> DNA  
<213> Homo sapiens

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<210> 21870  
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<212> DNA  
<213> Homo sapiens

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aaatttcaca agacaaatat ggtcccaaaa tgtagtcaac aaaattccta ttcaaattca 300  
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<210> 21871  
<211> 408  
<212> DNA  
<213> Homo sapiens

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gcctaagagt	cagcaagact	caccttacta	taaagctagc	ttcatcagct	ccagcagctt	360
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<210> 21872  
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 <212> DNA  
 <213> Homo sapiens

<400> 21872						
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atacatcatc	atctttggag	aatttagcga	cggcgctgtg	gaaccagatc	caagaaacaa	180
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<210> 21873  
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 <212> DNA  
 <213> Homo sapiens

<400> 21873						
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tccagtatgt	tccagaaata	atgtgcggaa	accttagaga	caggttattt	cattaagacc	180
agggttattc	tagcagaaaa	tgctctcttg	gtgtgtagaa	agtgaactaa	gaatagttaa	240
aaaaagaaga	cagtacacaa	atcagggtttc	cagactagat	ggagcgtaag	tgcttactgt	300
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<210> 21874  
 <211> 113  
 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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tccatatact	ataaatttat	gtactttcaa	aacttaattt	tgtcataata	ttagacttac	180
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<210> 21876  
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 <212> DNA  
 <213> Homo sapiens



**SECRET**

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aggaaaagtg	actaacttgg	agatgatcac	acttatgt dg	catctctaga	atttattttt	300
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 <213> Homo sapiens

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 <212> DNA  
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 <212> DNA  
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ct 422

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<212> DNA  
<213> Homo sapiens

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tgattgggtgc tgtgaggagt tcggctgctc gtggtaaaac agcgtactcc agttttaagt 180  
catcgggtaa aataatagga cagtgatttc catctgtgct tcagtaccca ctttgtgttc 240  
ttttcttgaa aa 252

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<212> DNA  
<213> Homo sapiens

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yccttttaaat gagccgaggt cat 83

<210> 21887  
<211> 137  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

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ccattcgtag tcaactccga attccccga ccccatcccc ata 163

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<212> DNA  
<213> Homo sapiens

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 atcggaattt tatttcttgt ctctgtactc attttgtact ttctagaaag aaattaatga 180  
 cgagtaccaa gtgaagcaag gccaatattc ccagcga 217

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 <212> DNA  
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 aacatttttag gctttgtggg ccagacaatc tctgttgcaa ggattcagct ctgccataga 180  
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 cttttcttca ccttctgaga aggtattatt tcttatcaca aagaatgatg aatatgattt 120  
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 <212> DNA  
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tttaagttta	cagtccatag	tccttagaac	tatttaaata	aatcttctaa	tattatagaa	240
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<210> 21896  
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 <212> DNA  
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agcgattgcg	gaaattttcc	agcgccattg	gctgggcasc	gtgagtcctt	cggtcggggcg	180
tgattycagc	accgggggaa	ctggacagca	cctcgggggg	acttctgggc	aaccgcgaac	240
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tttgtaccga	attggcagta	aatgttagcc	atttacagca	atgccaaata	tggagaaaca	180
tcataataaa	aaaatctgct	ttttcagaaa	aaggaaaaaa	aaaaaaa		227

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tgtcttgggg aaact 195

<210> 21900  
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<212> DNA  
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taccatatat ctgggtatcc cataatccag tcaaattaat gcataaagtt aaacatccca 240  
gatatatatt caaaagaatt gaaaacaggt actcagatgc ttgtacatcc atgtttaata 300  
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tgaat 365

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<212> DNA  
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caaatactac ttagaggcgg acat 144

<210> 21902  
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<212> DNA  
<213> Homo sapiens

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gatcatgcca ctgcactcca gcctggcaac agagcaagac tcgatctcaa aaaaattgag 180  
aatgggca 188

<210> 21903  
<211> 144  
<212> DNA  
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tacaacaaat ctcagtgaca caca 144

<210> 21904  
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<212> DNA  
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taggaagaca tgatgatccc cattttactg cctaggacag agagacatca ggaggttaac 180  
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aaggccagtn agatttcagg agtcatgggg actgtgagga cct 163

<210> 21907  
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<212> DNA  
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<400> 21907  
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<211> 192  
<212> DNA  
<213> Homo sapiens

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ctagtgtaac cc 192

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<213> Homo sapiens

<400> 21909

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<212> DNA

<213> Homo sapiens

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aataaaaatta	ggagatgtgt	tctgatgtaa	cagtaggatt	agcaattttc	atttattcct	180
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<211> 290

<212> DNA

<213> Homo sapiens

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<210> 21912

<211> 155

<212> DNA

<213> Homo sapiens

<400> 21912

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<211> 256

<212> DNA

<213> Homo sapiens

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tgtaagaagc	aactcttcat	ctgttcaagt	ttgatcatga	gagtgcggca	attcagtcac	240
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<210> 21914



<211> 263

<212> DNA

<213> Homo sapiens

<400> 21914

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gcatcccttg	atgctgactt	gatcgagcag	ggaagctttt	tgatgtgctg	ctggatttgg		240
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<210> 21915

<211> 251

<212> DNA

<213> Homo sapiens

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agacatgtct	aatattttatt	ttcccaaaat	atgcatcaaa	tttcacttct	ttccaaattg	180
attatttcca	gtttaaaaca	tgaggatgat	gcgtgcacat	ctttagtact	ctcaatgttt	240
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<210> 21916

<211> 429

<212> DNA

<213> Homo sapiens

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<211> 409

<212> DNA

<213> Homo sapiens

<400> 21917

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<210> 21918

<211> 217

DEPT. OF DEFENSE

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gtgcggggcc	accttgaaca	agggattctc	tcttgaaca	ttgacctgtc	atcctttgac	180
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accctctccc agtatgattt tcccaattga ataaaaactt cattttttaa aaagcagcag      180
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# DRAFT - NOT FOR

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 catagtctat atattctata taagaatata ttccaataag aatatattcc atacgggaat 180  
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 195

<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

<213> Homo sapiens

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gagatgatta agtactagag ggggtctact cgtgcttttg catgattgtc acttgttaaa 420  
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<212> DNA  
<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 158

<212> DNA

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<211> 265

<212> DNA

<213> Homo sapiens

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tggctgaaga	gagacatgga	aatattgaag	aacgtatgag	acatttagag	ggtcaacttg	180
aagagaagaa	tcaagaactt	caaagagcta	ggcaaagaga	gaaaatgaat	gaggagccaa	240
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<211> 379

<212> DNA

<213> Homo sapiens

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cagctatgct	gaccatctca	ccattgcccc	ctttgccatg	ccctgacatc	ctcacatgct	300
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<211> 159

<212> DNA

<213> Homo sapiens

<400> 21973

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<210> 21975  
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 <213> Homo sapiens

<400> 21978

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tgtgtatctc	tgtaatat	ttttcttttg	tagttactgt	gaggcttaca	taagatat	180
tgtagttata	atagaccatt	ttaagctgat	aacttaaatt	tggttgcata	taccttttac	240
ctttaccctc	ggt					253

<210> 21979  
 <211> 334  
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 <213> Homo sapiens

<400> 21979	
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cccttttagg	tagaaaacgg tgatatttgg ctactgccac aaaaagttaa ttgagtcogt 120
tgtgtcagcc	agaggatgag actctggtgg ggttcccatg caggcagtga aaggaggccc 180
cgccccagcg	cagttagggc agcggggggc gccccatcta tggggctgca gcaggcccca 240
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	334

<210> 21980  
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 <213> Homo sapiens

<400> 21980	
acacggtcac	tggaattcca ttagaaaaaa gtgagccgag caagggtag cgggagaaga 60
tttttttgaa	tcttgtcttc gtcttgggtgc gaaagaagcg actccagtct ctcgctctcg 120
aagctccgac	tggaattgttc ttgggcgctg acaccctgtc gtggatttct tttctatttg 180
cattttat	cgacccca 198

<210> 21981  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 21981	
caggatgggg	accggacgct gaaaagacca atgcatgatt ggagggctgg gactttcagc 60
cctaccctc	aacttccaag gaggggaaag gggctgaagg ttaagttgac caccaatggc 120
caaa	124

<210> 21982  
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 <212> DNA  
 <213> Homo sapiens

<400> 21982	
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aacatctgtc	atttctttgc gataagaaca tttaaaaacc tctcttatag ctattttgac 120
atatataata	cattattgtt aactctat
attcctgcta	tctaactgta gctttgtacc tattaaccaa tttctaacca cccctatcct 180
tcaccatccc	atcctca 240
	257

<210> 21983  
 <211> 401

<212> DNA

<213> Homo sapiens

<400> 21983

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ccctgagcca	aagccgcggc	ctccagagct	gccgcagaaa	cgggtgaaga	cgtggactg	120
cgggcagggg	gcagtgcgag	ccgtacgatt	taatggtgag	cgccttcgtc	ttcattccgg	180
gtcctcctcc	cgcctcctga	gatcgacggc	ccagtaaccc	ccgcctggtg	ttccccagt	240
gatggcaatt	actgcctgac	gtgcggcagt	gacaagacgc	tgaagctgtg	gaacccgctt	300
cgggggacgc	tgctgccgac	gtacagcggc	cacggctacg	aggtgctgga	tgcggccggc	360
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<210> 21984

<211> 362

<212> DNA

<213> Homo sapiens

<400> 21984

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tgccccagcc	tcccgagtag	ctgggattac	aggtgcatgc	caccatggct	ggctaatttt	180
tgtattttta	gtagagatgg	ggtttcacca	tatttggtcag	gctgatctgg	aactcctgac	240
ctacaaggag	agaccctgcc	tttaccaaaa	ataaaaaaat	ctgctgggtg	tggtaggcaca	300
tgctgtaat	cccagctact	tgggaggctg	aggcaggaga	attgcttgaa	cctgggagca	360
ga						362

<210> 21985

<211> 76

<212> DNA

<213> Homo sapiens

<400> 21985

ggcggcggcg	gcggtggcgg	cggcgactgc	tgcggtgaag	gaggaggagg	agccgagcgg	60
gcgcagaaaa	ctcccc					76

<210> 21986

<211> 407

<212> DNA

<213> Homo sapiens

<400> 21986

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atggtcttct	gagaccgct	ctttcctgga	gtcggttccc	gggttgtctc	caggaccgat	180
tctgcatggc	ggcgggcgct	cactgtcata	tctacatcac	caggcacaag	ccgcatggat	240
ccagtggccc	tggtaggcgt	tggtagtccc	aggcgctttc	ctggaggaca	tgtgagaagc	300
cctgccggcg	catactgggc	ctggggtagc	cgcatgggga	tgggtctctg	cgcatgaaat	360
gctggagttt	ccgaagagct	ggagagtga	cagcctcact	ggtgcgt		407

<210> 21987

<211> 133

<212> DNA

<213> Homo sapiens



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 gcaccagcga aac 133

<210> 21988  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 21988  
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 ggaaccctgg ggagcctccc cagtagcatt ggcccttggg gccaggtga agtcctttgc 120  
 ttggggccct accgtgagcc cacaacctcc agggtttctg tgggagaggg ctgctcccct 180  
 agaccagca ggtccctgag ccattggcaa agaggagaga ggctggggcc acaggtggtg 240  
 ctggccgagg aaggaggagt agggtcgcac agaggagcac tgatggatgg agaaccagtt 300  
 ctgggagttt ggggagagat caaggcagga gggagccac tgggcagaac ctaaagggtcc 360  
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<210> 21989  
 <211> 150  
 <212> DNA  
 <213> Homo sapiens

<400> 21989  
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 gtcttggtc actgcaacct cgcgcccg gggtcaagtg agtcttgtgc ctcagcctcc 120  
 ctagtagctc ggatcacagg cagcaccat 150

<210> 21990  
 <211> 317  
 <212> DNA  
 <213> Homo sapiens

<400> 21990  
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 tgaaattttt tataattgcc aaatatTTTT tatgaaaaaa gtttttagttt cttctacaaa 120  
 taattcatgt ttaatatggt tttccacatg tttattaagt gccttctatt aaggatgatgc 180  
 taaaaaagt tagtacttga catctatgta gtactttaca gttatcagtt actttaatat 240  
 acaacgtgta ttaatctggt ttgtgttgct attaagaaat atttgagggt gagtaattta 300  
 ttaagaaaag aggttaa 317

<210> 21991  
 <211> 277  
 <212> DNA  
 <213> Homo sapiens

<400> 21991  
 tctgtctaca tgtgctaagg atgatatctg gtgaaagcac tggctttggt gaaaagctga 60  
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 aagagttggg ggaggagagg gaaagaaagt taattatacg tgttcccttt ctgcaatgca 180  
 gaaagaaaat agttatatcc ttagaaatca gtcaaaatgt atacagctga tctaatttgt 240  
 tgacactaca caactcaata tttttggagg ggggcca 277

<210> 21992  
<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 21992  
tatgttgaag ccctaacctc caacgtggtg gtattgggag atgggccttt tggaaggtaa 60  
gtgtgtttga atgaggtgaa gaggttgggg acttcgtgat gggattattg tccttacaag 120  
aaaagacacc agagagcttg ttctgtctct ttgggccatg tgaagacatg gtgagaaagc 180  
agca 184

<210> 21993  
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<212> DNA  
<213> Homo sapiens

<400> 21993  
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cgagtggaca attctggaac tggaactca gcattaagt ttaacatttt ggaaaaattt 120  
atgccactcc tttatttttt gatgcctata ttatatcaa atgataattg cattagccgg 180  
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<210> 21994  
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<212> DNA  
<213> Homo sapiens

<400> 21994  
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ctttactagg gaaaacggtg ctggttcact ggggcgcgtt tccgggaagt aaactcaaaa 120  
actgacactc gattcagcta ttggaaagtt tttttaatgt ggttggaaca actgagccat 180  
gtgaaaacac aacaagaagg taccatcctg gaagcagaga gcaaaccctt atcagatacc 240  
acat 244

<210> 21995  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 21995  
actaatTTaa aaaatgagat gagggagaat atgaattatt ctagcagaaa tgaagttagt 60  
gtccagtttt tcttttttac tgcttatgtt ctctcttttc taagtgaaaa tgtttttctc 120  
ctgacagaaa aatagcatat gtttattaca ttaaagcatt ttaaaaatac tataaagtga 180  
ataaaactta aaatcttgcc acccaa 206

<210> 21996  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 21996  
ctaataGcaa aagcagtcct gggcaaaaag aacaaagctg gatgcatcac attactcaac 60  
ttcaaactat gctacaaggc tacagtgacc gaaacagcat ggtattggtc aaaggcagac 120  
ccatagacca atggaacaga atagagaacc cagaaataag gccacacc 168

<210> 21997

<211> 112

<212> DNA

<213> Homo sapiens

<400> 21997

acacacacac acacacacac acacacacac acacggactc tccgaatcag ggctgggcct	60
ctgtgccagg ccatcccgtc tttggagtgt atcctatttg aggtcaagaw at	112

<210> 21998

<211> 340

<212> DNA

<213> Homo sapiens

<400> 21998

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tttaaaactgc tgtaagtctt agacagcaaa ggaaagctga aaataaatgc tgcattttaa	120
aataaatgtt gctttaccaaa agaggtggga agatggaaga caggatggag tgaaaggctc	180
cagtaatttt acctatggta ctctgagttc acaaagggtg cttgtactca gacagaaaac	240
cgcagcgtga agaggggaca gcatgagtga agaggaagtg aattttcacc cttcacttcc	300
aaaccacagg aaaggaagtg actttaaaat gccaggaaaa	340

<210> 21999

<211> 122

<212> DNA

<213> Homo sapiens

<400> 21999

attgaagaga gaccatgatg gcggcgggcg tggggccccc agaagtgatc gctcagctgg	60
agaacgcggc taaagtctct atggcatcac cttccatggt caataatgaa caacgccagc	120
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<210> 22000

<211> 228

<212> DNA

<213> Homo sapiens

<400> 22000

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ttatgtgcat ttgtctatct ttcttatgta cttttagctc atcaatctta agtctgtgag	120
tttatagttt ttaaaaacaa atttgaaatt atttggctat tatttcctca aatatttttt	180
tctgcgcgcc ctgctttccc tttccttagg gatctctgat ttccacct	228

<210> 22001

<211> 310

<212> DNA

<213> Homo sapiens

<400> 22001

gaagacttgt ttaatcaata tactcagcct tttgtgataa tggtaatggt ttgtgggtag	60
attagtaacc ttgaaaacag aaaggaatag tggcttatac tagtgactgt ccagaaagac	120
ctagctgac attaaatttt tggaattgtt gagaaggcca gttttctttc attctaaaca	180
gttaacatag ttaaggaaca taggtaagga tacatttaag gaaatagaat gtttcaaata	240

gcttaaaaaa ttctcttggc caactttttg atgaagttgg taaagtagca gtgtaagtcc 300  
aagagcccag 310

<210> 22002  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 22002  
cagttaaagc ctttgaatta cttatctttg atttaattta cagccagcat tttgccacgt 60  
tctaaataat atttagctca actgattcat acgtattaat gaccattcta gcaaaggcct 120  
acaagtgggtg tgggaatcag ggaaaggctg cctctttggg atctcaactg gtattgatta 180  
ttgctatcaa ctatttgggg agaaaaaatc aaaatgaagc cctgtcaaat tttagaagta 240  
ctatctttgg tccttcaaac actttgtgat gacacca 277

<210> 22003  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 22003  
catctagcat ttacagttat ctactgaaca tctccatcct gatctcttat taacagtcca 60  
tatttaatat tgctgaaacc aaatttatct ggcacatagt aggtaccag taatgtgcag 120  
tgaacctctt ttactctaca gtccctaaaa taattcctga ttttgctttc tttcttttcc 180  
aaacactact gttttaccag gctttctttc atcccgtgca cttagagcag tgc 233

<210> 22004  
<211> 94  
<212> DNA  
<213> Homo sapiens

<400> 22004  
aaggtgattg ctggagtagt tttaagaaca gttttctaga catgacagta aatggtagca 60  
ttctgcttca tcacttacac ttctcccaac ccgc 94

<210> 22005  
<211> 233  
<212> DNA  
<213> Homo sapiens

<400> 22005  
atcagcatcc gccagctcaa gtggaaggag ttcccatttg gccggcgctt gccttgtgac 60  
atctactggc atggagtttc atttcacgac aatgacatat tctccggtca agtgaacaag 120  
tttccagggt caaatgggtga aagacgatga cccctcctgg aagcccactt ttatcgtgaa 180  
acctgatggt ggttgtcagg gtgatggaat ctacctcatt aaagacccca gca 233

<210> 22006  
<211> 151  
<212> DNA  
<213> Homo sapiens

<400> 22006  
caatggtggg atagaattag gtcaggaaat ggaagttggt ccaatggtgt gagaactagg 60  
agacaagatg attcacttta ttatttaaac caagcttcat ttttagtttt tgttggttaa 120

atggactgga aagttaagtt tttgcagtga t 151

<210> 22007  
<211> 391  
<212> DNA  
<213> Homo sapiens

<400> 22007  
acaaaattat agtattgaaa ggattaaggg acaaaatagt gtatgtgtag tgggtggagaa 60  
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tagttgaaaa atgaatataa gcatattatt tagagagaaa gaggtaaaca ccaaaaaaac 180  
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cctggagcta tgatcacgcc tgtgaatagc cactacactc cagcctgggc aacatagcaa 300  
aactccatct caatcaatca atcttccac tttgacctcc caaagtgctg caattacagg 360  
catgagccac catgcccagt cccgtgtatc t 391

<210> 22008  
<211> 382  
<212> DNA  
<213> Homo sapiens

<400> 22008  
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aaaggaggtg gaagggaaat gttaccaagc atggtagtta aaggatactt caattttgta 120  
tctatttctt attaaaaaga aacattctaa gtaaacataa cgaaatatta attctgggtg 180  
gtggtaatat ttgtgttcat tctatcattc gtgctattta tttccttaaa cttctgaaag 240  
ttaaaaagtc cagataggag tgaggaagct gtacatgaaa cataatggac ttacattcct 300  
agtcagatac taatattctg tagaagatat ttctaaaatc ttatctttaa aatatgaaat 360  
aatttttaat tggggtggca at 382

<210> 22009  
<211> 241  
<212> DNA  
<213> Homo sapiens

<400> 22009  
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ttaaaatcaa taagagcata caacaaaaaa tacaatatata aaacagtaca gtataacaac 120  
tatttaccta gcatttatat tatattagat attataacta atctagagat aatttaaagt 180  
atactgtaga gtatgcatta ggthatatgc aaatactaca ctatttcmta taagggacaa 240  
a 241

<210> 22010  
<211> 145  
<212> DNA  
<213> Homo sapiens

<400> 22010  
tagtataact tacgtagttt ttgtttgttt gttcgtttgt ttttttgaga cagagtctca 60  
ctctgtcaca ggctggaatg cgctgaaata tgggctcacc gcaacctgcg cctcctgggt 120  
caagtgattc tcgtgcctca gccct 145

<210> 22011  
<211> 445

<212> DNA

<213> Homo sapiens

<400> 22011

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taaaccaaca	attaggtctg	cattttctca	ggcagtaggc	attctttagt	ctacataggc	120
aaagttttcc	atttttgtca	gtctgagtca	tcaaaaagag	tcttaatttt	ctaaaacaag	180
ttggctagaa	gaaagtaaaa	agaacaacac	ttgttatgag	ggcatgtgat	attttcacat	240
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ggccatgcaa	gtggtttggg	ccccattcag	aactctcaga	ctctaaacac	acaagtagat	360
tgatctaagg	catgctccca	gcatttgtcc	accacttag	tccactctga	gtcgattaac	420
ctgcatgcag	caacacccaa	gtcca				445

<210> 22012

<211> 254

<212> DNA

<213> Homo sapiens

<400> 22012

ctggaagacg	cccccaaggaa	atttgagagg	ctccatccac	tggtgatcaa	gacgggaaag	60
cccctgttgg	aggaagagat	tcagcatttt	ttgtgccagt	accctgaggc	gacagaaggc	120
ttctctgaag	ggtttttcgc	caagtgggtg	cgctgctttc	ctgagcgggtg	gttcccatth	180
ccttatccat	ggaggagacc	tctgaacaga	tcacaaatgt	tacgtgagct	ttttcctgth	240
ttcactcacc	tgcc					254

<210> 22013

<211> 328

<212> DNA

<213> Homo sapiens

<400> 22013

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aagtcaggag	gctggggagc	tgggtcctct	gcttgctgat	ggaccatggg	caaatgtcct	120
cctctctcca	atcttggggg	ccttatttgt	aaaatgagag	gattggacca	cagagcgatg	180
gccagtaaaa	cagagaaaaa	gaagctctca	aagtgaagac	aggaatgcat	tgtataaaaa	240
ttcacacccc	ctgctgccgc	ccaaactccc	ttaaaaaagg	atcaagagaa	tcctgacggg	300
tgaacagccc	ccctcttccc	gcccccca				328

<210> 22014

<211> 213

<212> DNA

<213> Homo sapiens

<400> 22014

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thtttagtag	agacaggatt	tcacaatgth	gtccaggthg	atctcgaact	cctggggtca	120
agtgatcctc	ctgcctcagc	ctcccaaagt	gctgggatta	caggcgtgag	ccactgcacc	180
tggcctgtht	gattthtttc	caccatcacc	cct			213

<210> 22015

<211> 467

<212> DNA

<213> Homo sapiens

<400> 22015  
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ctaaatttgg ccattttaacc tgcattttaa atctaggaat gtggggtgat catctttgta 120  
cataaattac ctaatgaccc tgtccatgct gtgctacgtg tttagggtgga ataacactcc 180  
catggatgaa gcaactgcact ttggacacca tgatgtatatt aaaattctcc aagaatacca 240  
agtcagtagc acacctcaag gagattctga caacgggaag gaaaatcaaa ccgtccataa 300  
gaatcttgat ggattgttgt aatgggtctca aatcccaaga tttaaatcac ttacctatatt 360  
aattgtggaa aatgattatg aagaacatgt gtatttctat ctggtagtga tgtatatktt 420  
acatttgtca tttcagtgtt actggagttt tcttcattgt gcacaca 467

<210> 22016  
<211> 195  
<212> DNA  
<213> Homo sapiens

<400> 22016  
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actctgtatc aactttcatt ttggtggttag gctcctaaca gctcaaacta tacagaaact 120  
gtgggttttct tgggtataac tgtgttgggtg ttttgagctt ggatgtcata agctgtaatt 180  
taatcactcc cctta 195

<210> 22017  
<211> 93  
<212> DNA  
<213> Homo sapiens

<400> 22017  
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ttgaccagga tctgccttcc ccgtgcccc cgt 93

<210> 22018  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 22018  
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gcttggttac gacaaatcaa gtgaaaatat ctcttgagcg tgcttgctta cataaaaata 120  
agcgttttgg cactaacatt ggtagactct ggtaggtctt tccatcttag attattttta 180  
tttcaaggaa g 191

<210> 22019  
<211> 99  
<212> DNA  
<213> Homo sapiens

<400> 22019  
tkkcacaggg gttgaccga gccagatgac gcaggcgaaa ctgacacctc cgcggtgtgt 60  
gtttccaagc gctcgatggt ggagatgctg gggggcgtc 99

<210> 22020  
<211> 252  
<212> DNA  
<213> Homo sapiens

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 atgctaccaa gtcttgatg ttagggcgag accctgcaag ttgagtatta gagagcttgt 180  
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 aacccagtc ga 252

<210> 22021  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 22021  
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 atgatgcagt aaatgagcaa tgacagtgtg ctgcagagaa aatttactct tgcctagaac 180  
 tggagggttt ttatgggtct gtaattttcc cacactcatt gctgaaagct taattaagta 240  
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 ctgagttgtc taccccaac a 321

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 ccgcccagga ggctgtgtct taatcactgt cagggtgaagc crsagccaga ggttaacatg 180  
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<210> 22023  
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 <212> DNA  
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<210> 22024  
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 <212> DNA  
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<210> 22025  
 <211> 224



<212> DNA

<213> Homo sapiens

<400> 22025

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tgctaattgta	tgttccaaaa	ttatatggga	tttctaaaac	tctaattgtct	aagtatatgc	180
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<210> 22026

<211> 215

<212> DNA

<213> Homo sapiens

<400> 22026

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taattatgat	tttaactctc	aagatcaggc	cacataagga	acaggggaat	tccaggggtg	180
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<210> 22027

<211> 248

<212> DNA

<213> Homo sapiens

<400> 22027

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aataaatgcc	tgattgattt	aaagcaagta	ggttatgctg	aagtatataa	agaagtttta	180
tattctctca	aaaatggtat	tatctttctt	tatttgctag	attcttacia	atcttttaag	240
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<210> 22028

<211> 78

<212> DNA

<213> Homo sapiens

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<211> 200

<212> DNA

<213> Homo sapiens

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cttgctgaag	gcggaccgcg	gaggccgggc	ggcgggcggc	gcgcgcgcgc	csaaanaagg	180
cggctgttgg	agaagtggga					200

<210> 22030

<211> 361

<212> DNA  
<213> Homo sapiens

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tgaggggagg agggcagtggt gtgatgcctt gtggagaaat aggtggatag aggcaagaat 180  
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gaaattcggt agagcacaaa gtccctgccc tcatgggggt tctattctag ttagggaaag 300  
cagttaataa ataagcaaat aatatcagct aataccaaat gttatggtga aattagaaaa 360  
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<210> 22031  
<211> 133  
<212> DNA  
<213> Homo sapiens

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ctttgattcc tagccagtag atcttatcta cactttaatg ggagagaatg gtgggtgtgtg 120  
ggtaggcaca aaa 133

<210> 22032  
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<212> DNA  
<213> Homo sapiens

<400> 22032  
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ctttgggagg ccaaggcggg tggatcacct caggtaagga gttccagacc agcctggcca 120  
acttggtgaa accccgcca 139

<210> 22033  
<211> 185  
<212> DNA  
<213> Homo sapiens

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tgatgtattc atctttctaa taaagcctag aaataataac acacaggact ggcagtcag 120  
gaaggagaa aagcgagtca tgggaggtca gccaaaggcag ggcgctttca tgatgggggc 180  
agctc 185

<210> 22034  
<211> 220  
<212> DNA  
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atatgtccag gcgcagtggt tcgtgcctgt aatctcagca ctttgggagg cggaggcagg 180  
caggcagatc acttgaggtc aggagttcga gaccagccca 220

<210> 22035  
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 <212> DNA  
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 aatacaaacc cttttcagaa ataagtattt tttcctagtc tatgccttgc gtttttattt 180  
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<210> 22036  
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 <212> DNA  
 <213> Homo sapiens

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 cagaacagct gatatcagta gtttcattgg tgtgcaggcc ctgaaagaat atttcaaaag 180  
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 tagctcttct caatgttat 439

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 <212> DNA  
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 ttttaagttag tttttgttct tagataaccc acattagatg aatgtgttaa gtgaaatgat 120  
 acttgtactc ccccta 136

<210> 22038  
 <211> 101  
 <212> DNA  
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<400> 22038  
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 gactgtcttc tctccgcacc cactcccccg ccccgcttg a 101

<210> 22039  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 22039  
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 ggtgggatca gctggtttga ctgccgttac ttacccattt aaggagatta aactagggga 120  
 ctttcaagca aggggaataa cctgatcagc tgtttatgtt agcagaacat ctccagcagc 180

agctgggatg atgaagcatc ttctcttggc aaagaagaac acct 224

<210> 22040

<211> 351

<212> DNA

<213> Homo sapiens

<400> 22040

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ataaatgttg cctgctgctt gaacatctat tttttctct tccagtgtt gataactctg	180
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ttgactagaa gcgtctaagg ataaaccaac agaaattgaa tctggataca tctttaagat	300
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<210> 22041

<211> 90

<212> DNA

<213> Homo sapiens

<400> 22041

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<210> 22042

<211> 405

<212> DNA

<213> Homo sapiens

<400> 22042

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ctgatgtca taacagctgt gtgaaataag cagtattatc tgtcttaca ttgagaaatc	180
taaaattcag ttaagtaatt tccccaaagt catagtgtg ttgaatgaaa cagcccaagt	240
ttttactaca aatcccatat tgttttcaac tttcaatcat ggttcatgat cctgctgctg	300
acagttgata ataaaagtat cctattataa aaacagaatg aaaatatata aagtgtctatt	360
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<210> 22043

<211> 192

<212> DNA

<213> Homo sapiens

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gagggattag gtagctctct aggcattgac aagaaccttt gaattttaga aaatatccaa	180
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<211> 305

<212> DNA

<213> Homo sapiens

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 atcccaaaga atttttttaa agtgaacaca tctgtataaa cgcccccaag ataagaaaaa 240  
 tgaacattat cagaactcta aaatccccta ttgtgtccct tccagtcact acctccaacc 300  
 ccgtt 305

<210> 22045  
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 <212> DNA  
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<400> 22045  
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<210> 22046  
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 <212> DNA  
 <213> Homo sapiens

<400> 22046  
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<210> 22047  
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 <212> DNA  
 <213> Homo sapiens

<400> 22047  
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 cttaaaataa cagttttggt gacttaaaaa tatgagatac ataggatgtg aaaaaaatg 120  
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<210> 22048  
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 <212> DNA  
 <213> Homo sapiens

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 agcgaagaca ggaggggtgg cccaagaccc cc 152

<210> 22049  
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<212> DNA  
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atgtatggca atgaacctga gctggcagag aagagattct gttgcactgg gaaatagcta 360  
ctcttcggat ggaaggggat tagtggcatg gggatgtgt gtgtttcata gaacagaagt 420  
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aattataatt ttgattttta atgggtcacc atgtatttat ttgttgccaa gcacc 175

<210> 22051  
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<212> DNA  
<213> Homo sapiens

<400> 22051  
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<212> DNA  
<213> Homo sapiens

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accaactcag ctgaaaagta agggctttat cggataggga cagacgagg aaggaagggt 180  
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cggcctccsg ggtagctg 498

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<212> DNA  
<213> Homo sapiens

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ccc 243

<210> 22054  
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<212> DNA  
<213> Homo sapiens

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<210> 22055  
<211> 76  
<212> DNA  
<213> Homo sapiens

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gtagacttag gacggc 76

<210> 22056  
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<212> DNA  
<213> Homo sapiens

<400> 22056  
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ggagaattat tacatttcgc tgaaatgagg acgagggg 158

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<213> Homo sapiens

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tgaataaaaac tagactagcc agccttctat tattatctaa tctattaggt agttcagagt 180  
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<210> 22058  
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<212> DNA  
<213> Homo sapiens

<400> 22058  
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<213> Homo sapiens

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ggtgattttt atagatgaac atttacaatt gattcagtca aatggaacac taactttgaa 180  
tcccagttaa gtgaaatgtt ttctcaaccc ccaa 214

<210> 22060  
<211> 266  
<212> DNA  
<213> Homo sapiens

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<210> 22061  
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<212> DNA  
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<210> 22062  
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<212> DNA  
<213> Homo sapiens

<400> 22062  
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<210> 22063  
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<212> DNA  
<213> Homo sapiens

<400> 22063  
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<210> 22064



0519020

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7085

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<212> DNA  
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<212> DNA  
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aactg 185

<210> 22071  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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aaattcacat tggatgtgat ttaaaagtag acattctctt tttcctctt taggatatgt 180  
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<210> 22073  
<211> 57  
<212> DNA  
<213> Homo sapiens

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<210> 22074  
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<212> DNA

<213> Homo sapiens

<400> 22074

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ttaatctaaa	ggatgagaag	tacattctaa	catcaggtgt	cttttctcga	gcacaatcaa	180
atthttcattt	tccaatctc	ttataatgac	tcatgaccgg	gtgaaggagg	aatcagtgca	240
aattgcttgt	tgggatggaa	acaggtgcta	gaagtgagga	aaaagcaatg	ttcaaacgca	300
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<210> 22075

<211> 422

<212> DNA

<213> Homo sapiens

<400> 22075

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tcaaataaat	acctgggcca	ccatcccagg	cttaaaagaa	atgctcttgg	gatgatatta	180
gcccactgct	ttataagaag	ctgcctatcc	ccaaaagtca	aggccccaca	gttactgat	240
acattcaata	ccatgaaaac	ggtgccatgg	tgggtggttt	ctgggtgatgc	acaaggctgt	300
toggatcacc	cactccttca	ctgaatgttc	ttggttatgc	acaatgataa	taatcagtgt	360
cattaaagga	ttcaacttaa	gcattaataa	tggaccactt	ctgtgtacct	tagtagttta	420
ca						422

<210> 22076

<211> 278

<212> DNA

<213> Homo sapiens

<400> 22076

tgatatacaa	aaaataattc	cttgagtttt	tatgttggtc	tctttgttat	agtgcctcaa	60
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aaattgaaaa	gattattcct	gctatggaga	tttacttttt	taaagagcaa	taatcaagga	180
attaaaataa	acatgaagtg	taaaatgctt	aggttactca	tgtttttcct	caagagaaga	240
aatgctcatg	tttttccttg	aggaaaaaaaa	aaaaaaaa			278

<210> 22077

<211> 347

<212> DNA

<213> Homo sapiens

<400> 22077

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gaggaaggcg	agtcacagta	gcggctgttg	cggggaccgt	agccccagct	gcagctccga	180
agaatcccc	gccacggttt	cggtggagcg	tctgggcacg	ggatggagts	aaagagcgag	240
tgccctctca	agcgggggtg	ggagggggtc	aggctgtgca	gaggagagag	acagcgagaa	300
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<210> 22078

<211> 111

<212> DNA

<213> Homo sapiens

<400> 22078

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<210> 22079

<211> 118

<212> DNA

<213> Homo sapiens

<400> 22079

caagagcatc	aggtgaaatg	taaaagatag	ataagctttg	atgtaaagca	gaggtattgg	60
ggttgaaggg	aaggatagat	tagaaggctt	atttaaaaag	agatatcatc	aggacgac	118

<210> 22080

<211> 161

<212> DNA

<213> Homo sapiens

<400> 22080

aaatttgata	gttgatttaa	cataggccaa	atgacttgca	gtgaaagaag	aaaaataaca	60
ctttaattat	tacctctttc	tcaaaatgaa	ttgatttttg	tcattgtaga	tctgtgcttt	120
aaacaaatga	gtagtgttta	gaagatactt	ttacaagagc	c		161

<210> 22081

<211> 196

<212> DNA

<213> Homo sapiens

<400> 22081

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caccaagaat	ggggataaga	acccagggtt	tgtgaacacc	cagtccagta	ctcctactac	120
cttttcctga	tatccttagg	agcgggatcc	atgggaaggg	acctcagacc	cctagtgggt	180
tagcaaaacc	ccggca					196

<210> 22082

<211> 455

<212> DNA

<213> Homo sapiens

<400> 22082

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tgcggtgcat	aatcaatcgt	ctgagtccca	taactgtaac	actttttctc	ttataaattg	120
gtagttccta	aaaatcacca	ctttaaaaat	tttattctgt	cttgctgaat	taagcagaaa	180
tcactttttt	tagagccttg	tttaaaggaa	cgtaactcgt	agagtactac	tgatgatgac	240
gcttctcttg	tttttaaagt	atttacacat	cattgttaag	tatttttgga	atggaacatt	300
ttaaagtttt	ctccatagaa	agcaacatag	tggcacttgt	tgagtaaag	atcataaaaa	360
tgacttgctt	ttaatagcag	atgagttgat	agttaactgt	tgacactttc	ttaatgtttt	420
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<210> 22083

<211> 126

<212> DNA

<213> Homo sapiens

<400> 22083

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gccaccgttc	gccctacttc	tgcgcctcgg	ggcgggcgcg	ccggtaaaaa	tggcgaaatg	120
gggggtt						126

<210> 22084

<211> 147

<212> DNA

<213> Homo sapiens

<400> 22084

aatttgcgag	ctgcatgcat	ctcccagggg	aaaagggctc	tctccgagac	agctcagagg	60
gccactaacc	aggtggagaa	acgaaaccag	aggaaggatg	ggaaggactg	atccacattc	120
ccaccaggaa	gtttagcaga	accccat				147

<210> 22085

<211> 268

<212> DNA

<213> Homo sapiens

<400> 22085

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tgacgctgcc	tgagctgagc	ttaaagcacg	cccaggagtt	agactaggag	agggtcgtgt	180
gggggaaaga	agggcgttct	gggcatcggt	aaattcccag	agaggatgga	gagctcagtg	240
atctccagaa	agtgaaagag	gcggggca				268

<210> 22086

<211> 257

<212> DNA

<213> Homo sapiens

<400> 22086

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cagaaagcca	ttctgaaatc	ctacagtatc	acaggtgaga	aaagggtggt	atTTTTTccc	180
caagacaaca	gcactagtaa	tcccacttaa	taagagctta	tttaattgga	tgtcagcctc	240
ttaactgcta	agccaca					257

<210> 22087

<211> 148

<212> DNA

<213> Homo sapiens

<400> 22087

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tgagaatatt	ctgtatgcac	ttgaggac				148

<210> 22088

<211> 304

<212> DNA

<213> Homo sapiens

<400> 22088

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tataacttag	gaaagaaacg	tttttggctg	gttagtttta	cagaattaaa	cctaattggtt	120
gttctaatag	cagttccaat	gatttgcaga	tttgaggaag	taaattat	tcttacagt	180
tccataaaag	taacaatgaa	actatatacct	accataataa	tcctctatag	gtaataaatt	240
atttgcattt	tataggagag	aaaaatatat	gtbaaagttt	ttgaacagtc	acacaggcag	300
gccc						304

<210> 22089

<211> 409

<212> DNA

<213> Homo sapiens

<400> 22089

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ccgggagcca	cagttacaac	aacggcatct	gtccgagtgc	agagcaggga	gccaccatgg	180
gctctgtgtg	caggcagggc	tggcgtgggc	tgtggccagc	cttggccgga	agctctgcct	240
gaggggaagc	cacactcgag	cacccatctg	acgggactgc	acatgtgaag	cctactccag	300
aagggacctc	agtcacactg	gcactgccca	gcaggcatgg	ggaaagggtc	ttgcttggat	360
gggtgcattt	gctgggcacc	tcttgccacc	ccatcatcac	caccagagt		409

<210> 22090

<211> 372

<212> DNA

<213> Homo sapiens

<400> 22090

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agtcttaaaa	attatactac	tgttaagtgg	accaagtttg	gtgaagcaga	atgtgacaaa	180
ggttgattaa	ggaaggaaca	actcaaggac	attgggaatg	ataacttttc	cacttgagaa	240
ctactttatg	ttttactgta	atttttaaag	ttttttgtgc	ctttttgtta	ttttgcaaaa	300
gaaaatagta	tttacagggtg	gcttctttta	aaatataaaa	atataaagca	ggaatgtata	360
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<210> 22091

<211> 446

<212> DNA

<213> Homo sapiens

<400> 22091

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gagcccggca	gcctcgcggg	atcccggctc	gcggccagcc	cgagcggctc	gggttttaaa	120
aatcaatttg	attggccaca	ggaaacgtat	tttggcatct	ctgggagaca	ggctgcacga	180
cgatccccc	cagaagcccc	ctcgggtccat	caccctcagg	gaaccagtg	gtaatcacac	240
tcctcctcag	ttgtctccat	cacttagcca	aagcacttac	accactgggtg	gctccctaga	300
cgttcctcac	attatcatgc	agggcgatgc	aaggaggaga	agaaatgaaa	actactttga	360
tgatattccc	cgatcaaaac	tggagaggca	gatggctcag	tcgtctgtct	gtgaaatatg	420
gacgaatcag	aacgcaggaw	ttcctt				446

<210> 22092

<211> 273  
<212> DNA  
<213> Homo sapiens

<400> 22092  
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gagatgtcgc tcggccgcct tctaccagga gcctgatccg tgccgcccgc cgcccggatg 120  
ggaccaccag agtgctctaa agtctccagt gaatattgaa ttgctgagga ttttgggaaa 180  
agacaaatca aagttcccat tccatggatc ccttaggtgc accttcccag tttgtggatg 240  
tggatacact accaagctgg ggtgactcat gcc 273

<210> 22093  
<211> 254  
<212> DNA  
<213> Homo sapiens

<400> 22093  
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tgcccttcca cctctgaggg gcagtcctga ggtctggaat cagacttcct gggttcccat 120  
cccagctccg tgactgagag tcaactttgtt attctctttg tgccctccatg tacctttgcc 180  
tcctaggttt catagtataa gtaattagtt ctccagagtgc ccccaagacc ctttccgggg 240  
tctgtgaagt caaa 254

<210> 22094  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 22094  
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gaagttactt ctctgggcat cagttttctc atctgtaaaa tgggaatgat attagtaaca 180  
caaatgact gcta 194

<210> 22095  
<211> 297  
<212> DNA  
<213> Homo sapiens

<400> 22095  
taagaaatcc tcttattgtc atttaaata gaagcatccaga tggagcattt ttaggcccac 60  
ctatctctgt tgtttagact ccattttctg tgtattactg aaaatgatac attattctca 120  
tttaaacaaa atggcaaata aaagtgagtg gttgatgtca gcaagactga cagaatagga 180  
agtgggaagg agtggattag tttttcactg ttaccttatg actttgagtt ttaacaacag 240  
aaagagcttg gaggtttttt ttaaatactag tgtttagaaa acttgaatat agtggag 297

<210> 22096  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 22096  
ctkaattatt cgagtaactt atcaccactt gcmstgactt gcaatggcat agtgtttctg 60  
ctttttaata ctctggcaat tgccttaag aaactaacac agtgatttgt ttcaactgtt 120





ttttatatga	agatatcccg	tttccaaaga	aattctcaaa	tgtatccaaa	tatctacttc	240
cagattctac	aaaaacactg	tttcaaaacg	gctctgtcaa	aagtaagggt	caactctggt	300
acttgagtac	acacatcaca	cggaagcttc	tgagaatgct	tctgtctggt	ttttaggaga	360
agatatttcc	tttttcaaca	taggcctcaa	agcgtgcaa	atgtccactt	ccaaatatta	420
caaaaagagt	gtttcaacct	gctgtatgaa	gggaagtgtt	caactctatg	agtkgaatgc	480
aaacatcaca	gagaagttct	gagaatt				507

<210> 22101  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 22101						
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gtgtgtgtgt	atttgtgtat	cggcgggtccc	gcagggtccc	gatgttgccg	acagtatgag	120
gcga						124

<210> 22102  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 22102						
actggtcagg	tctgcagctt	ctgacagact	gtgtgggttt	gtttttgtct	cctgtccaga	60
cttgtgtttg	ctcaaaccaa	ttcttggtgc	aaaggggcat	ccatgatgcc	tttgtaaaag	120
cattcgcvga	ggccatgaag	aagaacctgc	gcgtaggtaa	tggatttgag	gaaggaacta	180
ctcagggcc	ca					192

<210> 22103  
 <211> 507  
 <212> DNA  
 <213> Homo sapiens

<400> 22103						
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cottagaact	acaaataacc	agatccagca	ctgtgccctt	ttctttttat	agataaggga	180
actgagaccc	agataatata	aacctacgaa	gtgtacacta	gaaccttctg	ttacttcttt	240
atctaccaca	gggcaaactg	taagtaaaca	attaaaataa	ctgattcaat	ttgtgaatca	300
gctctcttga	aatgatatag	ttgctcatgt	yagatctttt	gtgataacaa	tgattgaagt	360
ccaaaggtaa	ttgttttaaa	aattgtcata	agaattaggc	agaacgggta	gcctcatata	420
ccaagggtgg	agtaaaagag	agtngawatt	atgaatkatt	yttcttctat	aatagaaatc	480
tgttatgata	gtyattactc	actkatt				507

<210> 22104  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 22104						
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aaaatgtgag	ctatctttta	aataaaactgt	cagctctgaa	cctgtcagct	ctcatcagca	120
agacaagata	aagttcattt	tgctatagtt	tgatatttca	cataggatgt	tctgtttttt	180
cttctttttt	aaatttgaga	tataattttac	acagcatagc	attcaccctt	ttaaaatgtc	240

caactcactg gtttttagtg tattcacaaa tacttgcaac catcacc 287

<210> 22105

<211> 143

<212> DNA

<213> Homo sapiens

<400> 22105

gatgtcagct ctcgacgaaa atagagaggg atcgctgca aatccccagc tccggcgggg	60
ctaaaccttg caatccctcc ctggccggcg ccgagccaga gcgcaggnsd ctccaccgcc	120
tccccggcg cgcacacgaa ccc	143

<210> 22106

<211> 109

<212> DNA

<213> Homo sapiens

<400> 22106

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aaaatggtaa tctggaaggt tggtttatgg caaattcatt aggactca	109

<210> 22107

<211> 335

<212> DNA

<213> Homo sapiens

<400> 22107

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aaagtgggcg tctttgtctt gttccagttc tcgggggaat gctttcaact ttttccatt	180
cagtataatg ttgactatgg gtttgtcata gatggctttt attaccttaa ggtgtgcctc	240
ttctgtgtca atattgctga gggttttaat cataaaggga tgctggggtt tgtcaaactgc	300
cttttctgca tctattgaga tgatcacgtg gggag	335

<210> 22108

<211> 112

<212> DNA

<213> Homo sapiens

<400> 22108

cgcgctccct mmmgcctcct tcccaagggc gcccttcttc tgccccagc tcacgtctga	60
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<210> 22109

<211> 290

<212> DNA

<213> Homo sapiens

<400> 22109

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tatcaaaatg gcattcaatt tctgtagcag atcagaagcc actgaaacag agaggccacc	180
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<210> 22110  
<211> 180  
<212> DNA  
<213> Homo sapiens

<400> 22110  
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<210> 22111  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 22111  
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aa 122

<210> 22112  
<211> 135  
<212> DNA  
<213> Homo sapiens

<400> 22112  
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ggaggatgag gtgagcagat ggcttgagcc caggagtttg agaccagcct gggcaacatg 120  
acaaaactcc gtcac 135

<210> 22113  
<211> 332  
<212> DNA  
<213> Homo sapiens

<400> 22113  
caaataagtt gtttatgatg atcctgaatg aagtaccata gggatgaatg atcagcagtt 60  
gacaaaaatt aaccaaagct taaactatgt taagacatag tgctaggtat gctttatgaa 120  
atctaattat ttgaaagttg gattatgtac atttaatttt tcaactgtca gaaaacagga 180  
tttatttttag ccagatatgt cattgcaatc tgaataagca ggaattttct atgcctatta 240  
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tcaatatata actgctaagg gtgaatttat ac 332

<210> 22114  
<211> 430  
<212> DNA  
<213> Homo sapiens

<400> 22114  
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gccccagcct cccgagtagc tgggattaca ggtgcacgcc accatggctg gctaattttt 180  
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tacaaggaga	gaccctgcct	ttaccaaaaa	taaaaaaatc	tgctgggtgt	ggtggcacat	300
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gaggttgag	tnagccaaga	ttgtgtcatt	gcactccagc	ctgggcaact	agagcaaaac	420
tcctatctca						430

<210> 22115  
 <211> 198  
 <212> DNA  
 <213> Homo sapiens

<400> 22115						
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aaaagttttg	tgctttttta	aattttgttt	ggtaattatc	acattttttt	ctcttacctt	120
ccttttaaatg	gccacaatgt	gtactgctgg	aatgttccat	ccaaaagatg	tagcttcaga	180
agcacagtga	ttgccccca					198

<210> 22116  
 <211> 173  
 <212> DNA  
 <213> Homo sapiens

<400> 22116						
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atactttcag	taaactgatc	caagccttaa	ctgttgtavn	tgtgtgatga	agc	173

<210> 22117  
 <211> 238  
 <212> DNA  
 <213> Homo sapiens

<400> 22117						
aaaaatggaa	aagaaagtgc	tttctcttcc	tctgagataa	aatgggcaaa	ggagaagaaa	60
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ggccttgatt	ttcttagttg	agcagatgaa	agatagaagt	gcatggttag	gcaaaatgag	180
aaagaaaatc	aaaggtagaa	taattagatg	gatgcatagc	tggttagata	gatgggag	238

<210> 22118  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 22118						
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cttccccatt	taaagatcag	aataaccaac	tatatattac	tgtaatttta	cactttatta	120
aacattaagt	agagtgtagg	ctttaagttt	cttctcatg	gttatgaaaa	ttttctaata	180
aacattagat	atcttctgtg	ttagcacctc	t			211

<210> 22119  
 <211> 296  
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 <213> Homo sapiens

<400> 22119



<212> DNA

<213> Homo sapiens

<400> 22124

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ctgtccccag	tgtctggcat	cgagtaggct	gccataaata	tctctggagt	gcatagtaac	120
agtgatgatg	ataatagcag	ctagccattg	attgaagacc	tcttgtgtgc	cggtctctgc	180
gttaaacatt	tctggaagca					200

<210> 22125

<211> 160

<212> DNA

<213> Homo sapiens

<400> 22125

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ttccaagtgt	tggcaactat	gaataaaaact	gcagtaaaca	tccatgtgca	ggtttttgtg	120
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<210> 22126

<211> 137

<212> DNA

<213> Homo sapiens

<400> 22126

aaagaaatca	tagacgacac	aaacaaatgg	aaasrcatcc	tatgttcatg	gatgagtaga	60
atcaatattg	tgaaaatgac	catactgcc	aaagcaatct	acaaattcaa	cacaattccc	120
attaaaatac	caatgtc					137

<210> 22127

<211> 145

<212> DNA

<213> Homo sapiens

<400> 22127

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tgcataaaat	ttgggtgtgg	tttcaactcc	tgttctgtgc	gttgagggtg	gcagccctca	120
gccccttccc	cactagccag	ccctc				145

<210> 22128

<211> 344

<212> DNA

<213> Homo sapiens

<400> 22128

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tctaagttaa	ttagaagttt	gttattgagt	ttccaaatat	ttggaaattt	taaagatatc	180
tctgttactg	atttataatt	tgattccatt	gtggtttagca	tactttttat	gatttgacat	240
cttgtaaatt	tattgagact	tgttttataa	tccaaatatt	ctctctttgg	taaagtgcct	300
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<210> 22129

<211> 279

<212> DNA

<213> Homo sapiens

<400> 22129

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gggcactgca	ttaatagtag	acatgctgag	gacaagggga	atcagccagg	agccactgga	120
gatgttatca	tggcccccag	agacggaaga	tgaggatggg	acctgttttc	accacccacc	180
tccttccctt	tttctctctg	ttaacttccc	aaataatttt	ataactttaa	atgattttat	240
caaactttga	tttccggggt	ttattccatc	catccactt			279

<210> 22130

<211> 438

<212> DNA

<213> Homo sapiens

<400> 22130

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tttaagcaag	aacagaatct	aatgactttt	ttcatgccat	cgctttgaaa	tagcgtcgtc	180
ttcctttctt	tctctccctc	ttcctggcaa	agtatatact	ggatttttat	tgcttctctg	240
ggtttttttc	cctacgtgta	tgggcccgtw	tgcttagcca	gtttattctt	tattttttta	300
ctggagtmat	tgccagtgat	ggaaacgggt	tttgcttctc	tttcagtcaa	gatctgcaca	360
aagtatagca	ttaggtggta	tttattgttt	tatgagtkct	amattcatct	ttccagcact	420
ctgaagttat	cagcaagt					438

<210> 22131

<211> 334

<212> DNA

<213> Homo sapiens

<400> 22131

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tcagaggagt	tactaaggcg	tactatatta	acctcttgcc	tccccttcat	ttattttttc	180
ccacttcttg	aaaagttccg	aagctgaaat	gatcaatatt	catacccata	tgccatttgg	240
gagtccttgt	gcaaagatga	gtattttttt	ttttatycca	agcttcttta	cctttcctga	300
gaycgtatgc	accttgctcag	cttctctgcc	tccs			334

<210> 22132

<211> 147

<212> DNA

<213> Homo sapiens

<400> 22132

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ctgcttctaa	agtatttgaa	gttaaattga	aggcaagaca	aacttaaaga	ctcctgtgta	120
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<210> 22133

<211> 221

<212> DNA

<213> Homo sapiens

<400> 22133

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gttgctcttc	ttgtttgccc	tgttcatatt	tgtatcacc	agaacattta	ccacttgaaa	180
tatctccttc	actagactga	tacttattga	gggccgggca	t		221

<210> 22134  
 <211> 58  
 <212> DNA  
 <213> Homo sapiens

<400> 22134	aagctatgag	ctatgaagtt	ttctggcttg	gatgggtcag	tgataatttc	aggggtaa	58
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<210> 22135  
 <211> 399  
 <212> DNA  
 <213> Homo sapiens

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	agtgatagac	cctatactgt	actgaacttc	aaaagatatt	tgtaagatgg	agagttgcca	180
	gtaagtagaa	tgctttcacc	ctacttcaat	attagtttaa	caactggaaa	gatctggctg	240
	cttaaatatt	aaacacatgt	bcaattatta	aacacttagg	attcttcttc	tgattattaa	300
	acctgtatgt	aaagaacatt	ggtgctaatt	tgacagtcagc	ttgactggca	ccacaatctt	360
	cccatgttgt	ggatttcaaa	ttgtttctat	actgtctca			399

<210> 22136  
 <211> 420  
 <212> DNA  
 <213> Homo sapiens

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	cgtattttgt	tcttaataag	tatttgtcca	caagtgaact	atcacacaga	aaaaggaatc	120
	tggatcagat	aggattaagt	ttatctacat	actacagaaa	aaccctaaaat	aacgatgttg	180
	aagagataga	gctgtacttt	tatgtgtaga	agtaccaaga	caggcaggca	gtccaggatt	240
	gggtgtggagg	ctccagaagt	tcctaggctc	tctccagctt	tctgcccac	ataactaagg	300
	tacagccctc	atcttcattt	ctctgaatga	ttattaagat	tacagcagts	atatcccagt	360
	tccaagctat	aggattgagg	aaaggaagaa	gggtacactt	tttcaagact	tcctgtgaca	420

<210> 22137  
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 <212> DNA  
 <213> Homo sapiens

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	agatacctta	accttctttg	aatcagattt	ggaaatggac	atatataaaa	atgattgctc	180
	cttatattat	agatacttg	tatgctgatt	cagaaatgtt	gcagttctcc	cctcaacaca	240
	gctctccact	gtaactccat	ggttataatg	gttggtatct	aagaaggagg	tttcccataa	300
	aaagaatgga	gggtgtgcact	tatttttggc	ccgggtk			337



<210> 22138

<211> 207

<212> DNA

<213> Homo sapiens

<400> 22138

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aaacaaaact	ttaaaaaaaaa	atgtgtgatc	cagctttctc	ttgccatcct	atgtgcatgc	120
cgtaagatca	gttgatatt	aaaccatcaa	taaagtttca	caagatttga	aaacaaagtt	180
tctgtagctt	cgatacctaa	gacccca				207

<210> 22139

<211> 150

<212> DNA

<213> Homo sapiens

<400> 22139

ctgtgactac	aggagatta	gcacttcgtc	tagtgaaact	cctttcatct	ctgtcctatg	60
gccccacccc	accattccct	ctaggcccag	accatcatca	tggccctggc	cattgatgtg	120
tatgggcttt	ctttccctca	tgcagccct				150

<210> 22140

<211> 230

<212> DNA

<213> Homo sapiens

<400> 22140

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cttggtttat	actggatgct	ctttgggttt	tgttgttgtt	gttttttaag	tgaggagtct	180
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<210> 22141

<211> 161

<212> DNA

<213> Homo sapiens

<400> 22141

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cctgagccct	ggcagggtctt	taagtgcgtt	tgtgcagccg	atttcaaggc	taagagagaa	120
agactgcctc	tgatccctga	aggaagaaaa	aaaaaaaaaa	a		161

<210> 22142

<211> 191

<212> DNA

<213> Homo sapiens

<400> 22142

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tcctcaggcg	gccccacca	gggcacaccc	tactgtcctt	gtgcctsacg	ccccctctc	180
atcctgcacc	a					191

<210> 22143

<211> 328  
<212> DNA  
<213> Homo sapiens

<400> 22143  
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gggtttcctg aaaacagggc aattaaacaa tttttttaa gtgacaattg aaccttgaaa 180  
gaaaggtagt gcttttaaat atgtaattga agcaagaaca ttctaggcag tgggaacaat 240  
ataataaagg tatcaacatt caggaattaa cgaactatgg cccttgggcc caatgcagcc 300  
tgccgcttaa tttctaagta aagtctac 328

<210> 22144  
<211> 287  
<212> DNA  
<213> Homo sapiens

<400> 22144  
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agaagtgttt ataataattc ctgatggtag tttgtatttc tgtgggatcg gtggtgatat 180  
cccccttatt attttttatt gcatctattt gattcttctc tcttttcttt tttattagtt 240  
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<210> 22145  
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<212> DNA  
<213> Homo sapiens

<400> 22145  
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tcctcagccc tcttgtaaac agacttctgg aaggctcact tcatcagttt gttatatact 120  
ttcagactgt ctatctcttg ttttagattca gcatggcacc gtacgttgaa tggactgtta 180  
atagatgttt gctgaatgac tccaccacag ca 212

<210> 22146  
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<212> DNA  
<213> Homo sapiens

<400> 22146  
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caacattccc cagtgtggtg aaattggggg aaaatgtggt aaaatgtgat acgcacaaac 120  
cctttgaaaa tagcataaca aacatgccct ttttctaaaa ttgataaatc ctaaagagga 180  
agaaaagagc tgggacagt 199

<210> 22147  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 22147  
cgtgtgttgc cattttgtct ggctgtggcc cctccttctc cctccagac ccctaccctt 60  
tcccaaacc ttcggtattg ttcaaagaac cccctcccc aaggaagaac aaatatgatt 120

ctcctctccc aaataaactc ctttaaccact ca 152

<210> 22148  
<211> 356  
<212> DNA  
<213> Homo sapiens

<400> 22148  
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ttgctaagga taatggcctc tagctccatc catgtccctg caaaggacat ggtctcaatt 120  
tttttctttt atatttttgag atggagttta gctcttggtc cctagactgg agtgcagtgg 180  
cgcaatctcg gctcaccgca gcctccacct cctgggttca aacggttctc ctgcctcagc 240  
ctcatgagtg gctgggatag caggcatgca acatcatgcc tggctgattt tgtattttta 300  
atagagatgg gggactttct ccatgttggt cagcctgggc tcgaactcct gaccgc 356

<210> 22149  
<211> 155  
<212> DNA  
<213> Homo sapiens

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ctagttaatc cttttttgcc tgttctttaa aaagcgtgat agataggcca acccactatg 120  
agttttctgg tggcaaaagt acaagaaatc cctgt 155

<210> 22150  
<211> 193  
<212> DNA  
<213> Homo sapiens

<400> 22150  
ataaaagttt gagcttataa aagtttgaat tatatcgaag atgaaataga aatgtttagt 60  
aagatctttt ggtgcattta aagtataagt taatttgtgg aattaaacac acttacatac 120  
acaaatgata taagatctac cttatagaac cagtkaaaat gctttcaggt gcaataaacc 180  
ttcagtggca ccc 193

<210> 22151  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 22151  
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ctctattctg ttcattgaatt tttgtctaac ctaatttcaa tattgcactc tcttgatttt 120  
tgtagtttta tagtaaatct tgaaatcagg tagtgtaagt cctctaactt tattcacgta 180  
tgtnaaaact atttgccat tctagcttct tcgcatttct aaagaacttt ttaatctgca 240  
ccaaaagaag taaaaagtct gcgtkaattt ttattgagat agcattggct taatagatca 300  
gcctggaata 310

<210> 22152  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 22152  
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tatgtcccaa ccctttttta tacaggtttg aattttaaata tacatgatat atacatatac 120  
tttattgttc taaataaaga attttatgca ctctca 156

<210> 22153  
<211> 215  
<212> DNA  
<213> Homo sapiens

<400> 22153  
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gccattctcc tacctcagcc tcccaagtag ctgggactac aggcacccac tgccacgcct 120  
ggctaatttt tttgtgtttk tagtagagac ggggtttcac cgtgttagcc aggatggtct 180  
cgatctcctg acctcgtgat catgactgcc tgcaa 215

<210> 22154  
<211> 436  
<212> DNA  
<213> Homo sapiens

<400> 22154  
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ttcgggagag ggtgaggggt gaatggtgct gaggtgcgak gagagggaag gacagtaaag 120  
agcaggtggg caggagggtc tccgactcca gagacctgag cttttggggc gcgggtggga 180  
gcgcggggga accctcaaga cggctttctt ttggcgactg agggtttttc tgccacagga 240  
agctgggccc ggctgctgtg cctgggagga gggaaggagg aatgagaaaag cggtgacggt 300  
ccctgcccc cctcgccagg tgactgtccc acccatttag ttgaatgtag cggccagaga 360  
ggcactcgcg gcagcccgta cgggtgggac ctctcggtgt ccttcgggaa acaggaggag 420  
caagtycgac tccagc 436

<210> 22155  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 22155  
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aaatctaaaa gaaaaaatca acgtgagtna gatagcattt gtgatgatct gaagaaatat 180  
gtgacgttta tcagaattaa acatggctca aattaaacta acactagagt ttgttctcag 240  
ttacgtgaia caccacaaat ccttcaaggt tgtccaaaat aagcagagtg cttactgtgt 300  
gagcgcacct 310

<210> 22156  
<211> 167  
<212> DNA  
<213> Homo sapiens

<400> 22156  
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cttgtgatct gcctgcctcg gcctccaaa gtgctggaat tacagggtgtg agccaccgct 120  
cctgcccttt tttttttwa aagaagaaaa tgcaataata tkacaac 167

<210> 22157

<211> 132

<212> DNA

<213> Homo sapiens

<400> 22157

cgcttcgtgc tmvcagggaa gcctctgcac gccctcccc gctgctctcg gtcgcctcct	60
cgccgccagc mgccccgggt gcatccccgc ttgctccgct ccacgcgacc cagattcctg	120
cbccgcnkcc aa	132

<210> 22158

<211> 161

<212> DNA

<213> Homo sapiens

<400> 22158

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gacccccctaa cagggccagg tcacatgcag ctgtgtgggc tgtgttaatg atcttgggtt	120
ttagcaggga aatgacacag tcaaattagt ttttttttt t	161

<210> 22159

<211> 391

<212> DNA

<213> Homo sapiens

<400> 22159

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gaaatgattg tctttaaatg ctgccaaagc agcctggcat ggtggcacat ctgtaatctc	180
agccttccaa atttctggga ttacaggcat gagccaccac atccaggctc atagttaggt	240
ttacattttt gattgctata cctgaaactc attttctctt ttcaatgaaa cagtccctctt	300
aatagcagtc acccagtttc acagtcctta ctgtaactgt ktykcctgta cctcctgtac	360
caagacatca aaatcgccctg gatattatac a	391

<210> 22160

<211> 149

<212> DNA

<213> Homo sapiens

<400> 22160

gctttcaaca tacgaggtga acttttacct ttctccattt aatataaacc aaaatssgtc	60
ttttaaaaaa atgtttattt ttaactttta ttttagattc aggggtacat gtgcaggctt	120
gttatataga taaactcatg tcacagggg	149

<210> 22161

<211> 248

<212> DNA

<213> Homo sapiens

<400> 22161

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gccacttagt agctcatagg cagcttcgtg cttttctgcg cccacttgt tgcctttcac	120
ttaggctctc aaatagtaga gtattactgt caatgttttg gttactgcat ttttgaaatt	180
aatttaagaa agtcttaaca ctgacacttc ttaaccacta gccttccaac acacacacac	240

acacgctc 248

<210> 22162

<211> 388

<212> DNA

<213> Homo sapiens

<400> 22162

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gggtcatggg	tctgtttcct	gagacagttg	tctacagcca	taccaccgta	agcgccctaa	180
atctcatcag	agacagttta	tgcaaatgga	gcttggggaa	agagaggctg	tggtctggaga	240
cagagatttg	ggcatcatca	acatataggt	gtggggagca	gagaaggctg	aggaagaaag	300
caggaaacat	ataaaaagga	gagcagggaa	aggagccagt	kagacaggaa	aaacctagta	360
acgtggtgtg	atgaagctag	gggaggaa				388

<210> 22163

<211> 349

<212> DNA

<213> Homo sapiens

<400> 22163

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cgtcagaatc	ctggagcctt	ttaaaaaatg	acgaagtgcc	caatgtggaa	atcatagatt	120
tcaaggaagg	aacaagaaaa	ttgatgaaac	aagttcaaaa	gaaagggtacc	tgtgcctcat	180
cattcctaaa	gaacactgat	caatgatccc	agaagtatgc	catgttctct	taattcatca	240
gagactgaaa	gcaaaggaaa	atcaagaaat	gtcatgatgt	catactaaga	agaaaccacc	300
tgagatgaga	ctgtkagatg	ttcagagcaa	acaaaaacaa	aaacagaca		349

<210> 22164

<211> 162

<212> DNA

<213> Homo sapiens

<400> 22164

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ataatattag	aattaatata	ttatcatgta	agtgggaatt	at		162

<210> 22165

<211> 266

<212> DNA

<213> Homo sapiens

<400> 22165

atagtatgtc	c�cstcccca	gatatagagg	acagagaaaa	cttscaagtg	ccacaagcag	60
aaataaacca	aacacatcct	ttctgttcct	gaaggtcagg	aaatctgcat	ttcagttgaa	120
ggctgcagct	gtctgctgtc	ccatctttag	agtctccttg	cttcttgggg	gcttccctcc	180
cctcaccgcg	actcaagtga	agcccatcta	ttactacctt	ctgaggctgg	aaatggtgca	240
cgctgcaaac	actgagcaac	atgaca				266

<210> 22166

<211> 340

<212> DNA

<213> Homo sapiens

<400> 22166

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aatttatgta	acatatatac	atgttattat	gatatgtaac	atatcattat	gtattatgtt	180
aacaattata	atctataatt	ctatagatta	accctaagat	ttatTTTTcc	ctaccatctt	240
cccatgtgtg	cccaaataac	tgagtgtgtg	ctttccccac	ctccccgtat	cacccaggct	300
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<210> 22167

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22167

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aaatctaacc	tttccccccc	tcgaataggg	ggcaggggag	gatgaggaaa	cactggaaca	120
actgaacacc	cctgcccatt	ttctccaaga	gccca			155

<210> 22168

<211> 128

<212> DNA

<213> Homo sapiens

<400> 22168

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ctggtgatcc	gtccgcctcg	gcctcccaaa	gtgctgggat	tacaggtgtg	agccaacgcg	120
cccgaagg						128

<210> 22169

<211> 142

<212> DNA

<213> Homo sapiens

<400> 22169

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atgatcatcc	tctaaacatt	ttatcattta	attaatcctc	cctgcctgtg	tctatwatta	120
yatacatatc	tctacgtgc	ca				142

<210> 22170

<211> 284

<212> DNA

<213> Homo sapiens

<400> 22170

caaatttggc	acggccctgt	ccaataggat	ccgcctgcag	gtgtctaaat	ctcctctgtg	60
gccaagggaa	aacctagacc	ctgtcgtggg	ccaagagggc	gtccttttga	cgctccagtg	120
caaccccccg	cctggacttc	catccccggg	catcttctgg	atgagcagct	ccatggagcc	180
catcacccaa	gacaaacgtg	tctctcaggg	ccataacgga	gacctatact	tctccaacgt	240
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<210> 22171

<211> 146

<212> DNA

<213> Homo sapiens

<400> 22171

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aagatgagga	gatagagtta	agtaacaggt	ccaacgcctt	acctagaagt	agcagaaggg	120
gacctcaaac	ccaagaaccc	aagcac				146

<210> 22172

<211> 368

<212> DNA

<213> Homo sapiens

<400> 22172

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tactttaaat	gtattcatgc	ttgtcagtc	ctcaaataga	atctgtgaaa	aattctcata	180
aaatagatcc	taaattttgt	caaataaact	tggaaaataa	ttgcagaata	cttatttacc	240
acttcccata	catgatattag	cttaactaag	gtgccgatat	ctgtgtatga	tagcaagtta	300
ggtagtaggg	gggttggcat	ttatcttaag	gagccacagt	gacactaata	attgatcaga	360
aatagtca						368

<210> 22173

<211> 171

<212> DNA

<213> Homo sapiens

<400> 22173

aatTTTTgtA	taagatgtAA	ggaagggatc	tagtttcagc	tttctgcgtg	tggctggcca	60
gttttcccag	caccgtttgt	tgaataggga	gtcctttccc	cattgcttgt	ttttgtcagg	120
tttgtcgggg	atcagatggt	tgtagatgtg	tggattatt	tccgagggct	c	171

<210> 22174

<211> 275

<212> DNA

<213> Homo sapiens

<400> 22174

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cacagcttta	tgttcctctt	aaagctgtaa	agagaaaaga	ggacttttcc	tcatcaagag	120
agcttgggag	acaaagcata	catttaattt	ttttctttca	aaaaaggcaa	tgtgcacttt	180
cctctcctaa	attttatatg	ccctagcagt	tgcgaatgtt	gtgtccacct	tacaatttga	240
ttggaggctc	ccatacactg	aaactctcaa	tagaa			275

<210> 22175

<211> 147

<212> DNA

<213> Homo sapiens

<400> 22175

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tggtagtcag	gctggagtgc	ggtggtgtga	tcttggctca	ctgtaaactc	aagctcctga	120
actctacaca	acatattttg	tcagcca				147



<210> 22176

<211> 249

<212> DNA

<213> Homo sapiens

<400> 22176

tttagtagag atgggggtttc accctgtaaa gacatgactt tgaaggatag gaaagctaac	60
taaccagtca taagtgaata tcattgcagg gcttttttagc atatgggggt acttttttga	120
cttcctgtag gatgttcagt gttgtccaag taggtctcaa atagaacccc agtgaagtca	180
tattgtttcc tttaattcct acttttgggg caatgcaggg tttctcttct tctttttttt	240
ttttttttt	249

<210> 22177

<211> 295

<212> DNA

<213> Homo sapiens

<400> 22177

tatacacaaat gtggtaatct gagtaagatc ctagaataga gaaaagacat taggtgaaaa	60
caagaaaatc tgaataacat atgaacttga gtttaataata atttattaat ctatctatct	120
atctatctat ctatctatct atctatctat ctatctatca agacagagtc ttgctctgtg	180
gccaggtcg gagtgcagtg gtgccatctc ggctcactgc agcctctgcc tcctgggttc	240
aagctattct cctgcctcgg cctcctgagt agctgggatt acaggcgccc ctcc	295

<210> 22178

<211> 203

<212> DNA

<213> Homo sapiens

<400> 22178

tgatgcaaaa atcctcaaca aaatacaagc aaactgagtt caacaaagca ttaaaaagat	60
catgcatcat gagcaagtgg gattatccca gggatgcaaa gatagttcaa catatgcaga	120
tcaatcaacg tgaaatatca acgggttgga caaaaactat ataggaaaaa aatctaataa	180
tctaatttaa aaatgggcaa aag	203

<210> 22179

<211> 267

<212> DNA

<213> Homo sapiens

<400> 22179

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taagtgatcc accgcctca ggctcccgaa gtgctgggat tacaggcatg attataggcc	120
tgagccacca caccgcgct actatagcag ttttttaaaa aaagcattat gttaaaactg	180
attataccag atggacatta aatatccatc tcagaaatac caaaatttga tacataagcc	240
tggcctgaat atcttttttt ttttttt	267

<210> 22180

<211> 194

<212> DNA

<213> Homo sapiens

<400> 22180

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cgagcaccag	gactctgctg	gttagggctg	cgcggtcaga	cagggcggcc	acctggtacg	120
tgcgctgctg	agcgcttgrc	ctgcggccag	tctgaattga	gatgtgctgt	aagcgtaaaa	180
tgcataccga	tgat					194

<210> 22181  
 <211> 419  
 <212> DNA  
 <213> Homo sapiens

<400> 22181						
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ccaactctac	aacagagatt	gcttagataa	gtgcaaagtg	gtagagcaat	ttaaggactc	180
ataattatgt	acgtgcaagg	aactgtgtca	agtatatatt	ttcatgatgc	tatcaaatat	240
taagccaaat	tcaccctctg	catatctaca	cattcacagc	ctgaatcctt	tcccacttcg	300
ctcatacctc	aatacctgtc	acttgccctg	tctcttgtct	ctccctgtm	ctgtgtttat	360
cttgctctga	aggctttctt	gaggcatttc	tccctccttt	caactctaaa	aatcccaca	419

<210> 22182  
 <211> 233  
 <212> DNA  
 <213> Homo sapiens

<400> 22182						
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caagcttaac	aaaggccaaa	tcaatgctaa	atcagaggta	tttacaacat	ccacaaattt	120
aatccaaagt	ggatacttaa	aacctcatat	agatctaaat	gatattctcc	cagatggtga	180
attaatgtaa	tttttagcagg	aagcaaagtt	gcacaaatat	gcagtattga	gga	233

<210> 22183  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 22183						
ctgaagcccc	tatttttattc	tcttgaggta	amtgttgagt	gtagttacaa	aaacttttat	60
ttatgactta	aaaaaagttt	agctgctatt	tcagtgaag	tgtaaaataa	aacggtcattg	120
atTTTTTTca	attacagaat	agttacaaat	tttaccatgt	tcattctattc	cacagagcat	180
gttaaaaaaca	acaacaacaa	aaacctaaca	gcaattacaa	ccttggtggt	gcgtttattc	240
taatcagagt	gaatgattat	aatcacactt	tgctatttta	acataaattg	gtgctttaga	300
gcattaaaga	ggaagcagca	ggccctgtac	tcagtattta	ttatttctt		349

<210> 22184  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<400> 22184						
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ggacgctggc	ttctccgcct	gggacccctc	cgccccg			157

<210> 22185  
 <211> 438



cagaaatatt	cttgaaagaa	gttaaagaag	atctaaataa	atgaaaagac	atctcatggt	240
gttggatcac	aacacttaat	attgttcaga	tggcagtact	ccccaaattg	atctacagat	300
tcaacgtaat	ctttatcaaa	ctatcatctg	gcttttttaa	agaattgaca	agctgacctw	360
aaatttata	ggaataccag	ggkcctggat	agttwaaawc	yttaacaga	gacaagtgga	420
gactnaaaat	tctcaatttc	aaaactt				447

<210> 22190  
 <211> 122  
 <212> DNA  
 <213> Homo sapiens

<400> 22190	
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gggccagga	ctctgtttac
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ttgtctgct	ttgctaaaga
aggccggtga	accaggacca
ccgcacacac	agggcccacc
120	
ag	
122	

<210> 22191  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 22191	
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ccaagtagct	gggactacag
gcacacgcca	ccttgcccag
60	
ctaatttttc	tatttttagt
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ttggccaggg	tggctttaa
120	
ctcctgacct	caagtgatct
gcccassitt	gcctatcaaa
gtactgggat	tgcaggcatc
180	
agccactgtg	cccgcccgcc
actattttct	aaaaggaagg
gaaggctcca	tttcctccat
240	
atcttaaagg	agaaaaaaag
ccagtgggaa	aaggaaataa
cagagatgga	acacagaaaa
300	
agaacagacg	c
311	

<210> 22192  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 22192	
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gcagagtatc	atggcagaac
tgtgtgttca	ttaagaaca
60	
atgggcaagg	ctcaagacaa
aataatacag	gaccgtcgca
tttctttttc	tttatcccac
120	
cctccccaac	ctgagagttc
acacacagga	gggt
154	

<210> 22193  
 <211> 467  
 <212> DNA  
 <213> Homo sapiens

<400> 22193	
aaattttcaa	caaacatggt
aaaaaataat	tcatagtgat
tttctaaaaa	tcttgataga
60	
aacttaaaaa	accaaccctg
tatccataga	agagatgtaa
gccattttct	ccttcttttc
120	
gtgtatgtgc	ctctgggcac
tgggtgtact	tcacaggttg
ttatgaaagg	agtcttagcc
180	
attcctgtgt	ctgcagaggc
tgcagctatg	aatgtcaaga
caagtctgca	catcttagtg
240	
gtatgactgg	ttcctgtatg
ttttaaaact	attctcagat
taagtttatc	tctaacttat
300	
ttgtccattt	tcttcttttt
tccataagct	aatttaaaac
tctcattgga	aaggaaaact
360	
tgtcctatga	gggtcaaagt
aaaactactt	cgactttact
cacattatta	ctttttgcag
420	
ccttcaatgc	ttgaaaaata
tgtgctggga	ttacctcact
ccagaga	
467	

<210> 22194

<211> 165

<212> DNA

<213> Homo sapiens

<400> 22194

tctccatggt	ggccaggctg	gtctggaact	cctcacctca	gatgatccgc	ccacctcggc	60
ctcccaaagt	gctgggatta	caggcgtgac	ccaccgcgcc	tagccccag	cttctttcac	120
cagcagaagg	cgggcaagcc	tcagggtgag	aggacttcaa	agcac		165

<210> 22195

<211> 411

<212> DNA

<213> Homo sapiens

<400> 22195

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acaataaaaac	acatttcccc	catctgtaca	ataaatacag	cttcaaattc	agtggagtct	120
gtagggcaga	taactttaat	catcactact	gtagtcagta	taagaaatgc	tgaaaaaaat	180
ccaggagggc	ttgtctcttt	gtgggtgggc	actgtgatgt	tgggccagct	cctgttcagg	240
tccagagctg	ctaacgtggg	ttctactcag	tcccagtgac	ttgaccagaa	tagagctttg	300
ccaggtaact	gcvwkttgct	aggtgaaagg	ggaaaagcag	tagctggata	tatttcaaat	360
gaggttttga	acaagttcag	aaagtggaac	ttgattgaaa	agtgaacaag	a	411

<210> 22196

<211> 136

<212> DNA

<213> Homo sapiens

<400> 22196

tttcaaaaag	gagtggggag	tagtgggcag	cagtgagcct	tacctagtct	ccacatcggt	60
ttcaaggctg	gtgtcactcc	tgcgggtgctc	tggtgacagc	acctgggtta	gatctaggca	120
gtctgcacac	agaatt					136

<210> 22197

<211> 373

<212> DNA

<213> Homo sapiens

<400> 22197

aaaagggaga	ttcaaaagat	cctggagttt	gtggggcgct	ccctgccaga	ggagaccgtg	60
gacttcatgg	ttcagcacac	gtcgttcaag	gagatgaaga	agaaccctat	gaccaactac	120
accaccgtcc	cccaggagtt	catggaccac	agcatctccc	ccttcatgag	gaaaggcatg	180
gctggggact	ggaagaccac	cttcaccgtg	gcgcagaatg	agcgcttcga	tgcggactat	240
gcggagaaga	tggcaggctg	cagcctcagc	ttccgctctg	agctgtgaga	ggggctcctg	300
gagtcactgc	agagggagtg	tgcgaatcaa	acctgaccaa	gcggctcaag	aataaaatat	360
gaattgaggg	acc					373

<210> 22198

<211> 354

<212> DNA

<213> Homo sapiens

<400> 22198

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tgggggaagg	tcagttcgat	gctttctgga	gaactatcct	tccaaggtgg	aggatcccat	180
cttgataacc	acattacctt	aaacactgcc	tcagccaggt	gatcaaggtc	aacgtctact	240
gtgataagtc	atggtttttg	tgtgtaccct	tgatgtgatg	tgataaaaaat	gskngtttac	300
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<210> 22199  
 <211> 380  
 <212> DNA  
 <213> Homo sapiens

<400> 22199						
cataaatcca	aataattcat	caggatggga	tgaatcttct	aaacctactc	cttcccaggg	60
atggggagac	cctccaaagt	ctaatacagtc	tctaggttgg	ggagattcgt	caaagccagt	120
cagctctcca	gactggaaca	agcaacaaga	cattgttggg	tcttggggaa	tcccaccagc	180
tacaggcaaaa	cctcctggta	cagctggctg	gggggaccta	taccagcccc	agcaaaaagaa	240
gaagaaccca	caggctggga	ggaaccatcc	ccagaatcta	tacgtcgcaa	aatggagatt	300
gatgatggaa	cttcagcttg	gggagrtcca	agcaaataca	actacaaaaa	tgtgaacatg	360
tggaacaaaa	acgtcccgcc					380

<210> 22200  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 22200						
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atcccatca	acaatatatt	agggtttcct	gtttctccac	atcctatttg	ttaatggctt	120
ttaaaaatta	tagacattct	tgtaaatgtg	aagtagtgtc	tcattgtagt	tttagtttgc	180
attttcctaa	taacaatgat	gtttaacttt	tttgtgtgtg	cttattagct	gtttcacatg	240
cccttataca	tattccattt	tttacttact	gtttccataa	atcactgcat	gtaaattcag	300
agctctctct	ctgtctcact	ttctcttttg	ttgtattc			338

<210> 22201  
 <211> 167  
 <212> DNA  
 <213> Homo sapiens

<400> 22201						
gcgggacccg	gacgtgcact	cctccagtag	cggctgcacg	tcgtsncaat	ggcccgttat	60
gaggaggtga	gcgtgtccgg	cttcgaggag	ttccaccggg	ccgtggaaca	gcacaatggc	120
aagaccattt	tcgctactt	tacgggttct	aaggacgccg	gagggac		167

<210> 22202  
 <211> 446  
 <212> DNA  
 <213> Homo sapiens

<400> 22202						
taaaatcctt	tacagacaag	caaatacctga	gagattttgt	caccaccagg	cctgccttac	60
aagagctcct	gaagaaagca	ctaaacatgc	aaaggaacaa	ccagtaccag	ccactgcaaa	120
aacatgctga	attgtaaaga	ccatcgatgc	taggaagaaa	ctgcatcaac	taatgggcaa	180
aataaccagc	taacatcata	tgacaggata	aaattcacac	acaacaatgy	nvgnctttta	240

vndgtaaattg	ggctaaaatgc	cccmgttaaa	agacacggac	tggcaaattg	gataaagagt	300
caagacccat	cagtatgctg	tattcaggag	acccatctca	tgtgcagaga	cacacatagg	360
ctcaaaataa	agggatggag	gragatctac	caagcmaatg	graagcmaaa	aaatagcagg	420
gktgccatcc	tagtctctga	taaaac				446

<210> 22203  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 22203						
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gaacaacctc	aggcagagag	attctgggtt	actccccagt	ggctacggag	acgccttgga	120
ggcctdggag	tctgctcacc	ttgagggatg	gaggccaaaa	ggggcccaga	gcacaaggct	180
gaggttagaa	ccagccctgc	ggacggggct	aacctagggg	ggggtcgggtg	gtgttgga	240
agtttagagg	gggggctccc	ccacaggatg	tgcacaatgc	tcacaaaaag	cttttattct	300
cacctcctcc	cacgttccta	gcacctcaa	aatgatgctt	cctttgataa	tcctgccagt	360
cct						363

<210> 22204  
 <211> 164  
 <212> DNA  
 <213> Homo sapiens

<400> 22204						
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gaaccgtagc	cagacatggg	actggaggac	gagcaaaaga	tgcttaccga	atccggagat	120
cctgaggagg	aggaagagga	agaggaggaa	ttagtgaac	cccc		164

<210> 22205  
 <211> 156  
 <212> DNA  
 <213> Homo sapiens

<400> 22205						
attagaaggt	ggtgacatcc	atttggtcgg	ttatgactaa	cccttagaag	aatagcatag	60
cgcagacagc	acaacagaaa	ctataatgca	tcaaatgtca	caaaggctct	cctaccagga	120
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<210> 22206  
 <211> 211  
 <212> DNA  
 <213> Homo sapiens

<400> 22206						
ctcaacaaat	atttgctgaa	tgaatgtatc	tactcaagtg	tatttaggaa	caaacaaaaa	60
caaccaaadc	aaaaggaatt	atcctagctc	actaccgaga	tagctagttc	tagaaagcac	120
tagcaagtag	ctgataatta	attgaactgg	aactagaaac	agagtctagt	tccttgccca	180
ccctcccctt	cattttttcc	tgacggccac	c			211

<210> 22207  
 <211> 255  
 <212> DNA  
 <213> Homo sapiens

<400> 22207  
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ccattgaagg cttttatggg gagtggccaa agaggaatgt ttgcctcttt ctaagaaaaa 180  
tgagccttct aaccacaacc cctgccamtc ctgaagtaat aagaattttg gtggttattg 240  
tttctcactt gttgc 255

<210> 22208  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 22208  
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aasggatatt cagggaaaat gtttgagacg acaccgcgat 160

<210> 22209  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 22209  
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taagctagcc 130

<210> 22210  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 22210  
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ggcgcagcgg cggcagcggc ggcggtact gtctgggctg agcagtagtg cctctcgggt 120  
ggcgggtttc taggctgcag gggttaa 147

<210> 22211  
<211> 363  
<212> DNA  
<213> Homo sapiens

<400> 22211  
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ggaaatataa cttttgtcaa agaaatactc tcagaagaga aatggggctt aattaagttg 120  
tttttgggt cacgtttatt cttgttactt cgctgtgttt ttgaaatgtt gggcatggcc 180  
tcgtattttg ctgttacctt tgtgacctga ttgttttttg gaacacgtca agacgtggga 240  
tcagaatctt ccaactttag aggtgcaatg gaagacacta cgctacttgg ttgagcctgg 300  
tgaagaatgt attaattgaga ctgctttgca taaaactggg aagaaagaga agacagtgga 360  
gat 363

<210> 22212  
<211> 297



<212> DNA

<213> Homo sapiens

<400> 22212

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gttccagtta	atgtgaaact	cagtcacaaa	gagttgagat	ttttccttta	tgaaatagaa	120
ttgacattct	tttatgctat	aaatgtgcat	tcaggtocca	ttaaccatgc	tctgctttta	180
tttggggata	gaacattttc	tttttcatat	cccgatcttc	ccattttctc	atagaaatgt	240
gataagaagt	acatccctgt	gatcctgctg	cttcgtagag	caccactgca	cacccta	297

<210> 22213

<211> 334

<212> DNA

<213> Homo sapiens

<400> 22213

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acacggggga	cataggagat	catccaggga	gagagggggg	ttagctgagg	agaggcctga	120
ggactggaac	tttggggaca	ttgtttctata	aggagctgga	agtgcagaag	gagcctgcaa	180
aactgattgg	gtagttgtgc	cagagaggta	ggagataaag	aggaaagcta	gagggagaga	240
gttctatgga	ggaggataga	ataagtttcc	atctaccctt	ctaagttcta	ggctagtgcc	300
cctgtaacaa	aagatagatt	aacaagaggg	atca			334

<210> 22214

<211> 143

<212> DNA

<213> Homo sapiens

<400> 22214

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actctgaaca	tggttttagt	aaatattggt	tgaaatgaat	gtgaaataaa	tgaaacaaaa	120
aaactcawta	ggaaagacag	caa				143

<210> 22215

<211> 393

<212> DNA

<213> Homo sapiens

<400> 22215

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cttagagtgt	gactttcctg	ccaaccagag	ggcttggctc	tgagcagctc	tttctccggc	180
cagtctttta	ttttccactt	tttcatctca	ggtcagttac	tactttcccc	tgaagacctt	240
gtggagggtca	tttttcgcag	ccctgggtggc	ggcctttacg	ctgagatcca	tcaatccctt	300
tggaatagc	cgtctcgttc	tcttttatgt	ggaataccac	acgccttggt	acatggctga	360
actcttcccc	ttcatcctgc	ttgggggtctt	cgg			393

<210> 22216

<211> 358

<212> DNA

<213> Homo sapiens

<400> 22216

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cttttttgtg	cttttatttt	tcaattgtga	gaaccactga	ttggtatggt	caacaaat	120
gtgtatacaa	agaaatggat	aaatcactgc	tatataaggg	aaactacctt	aggaaagaat	180
gtttactgaa	tgtttatttt	attttatttt	ttttttacta	tagagtggag	ggttgttaac	240
aaagaatata	tattggtcat	tcttacaact	actattttaa	gtcagcaact	tttactgaa	300
tttgatagat	tttatgtttg	gccatatctt	catgctcaca	tttgatttct	tgaagacc	358

<210> 22217  
 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 22217						
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aagcaat	cctgccttgg	cctcccaaag	tgctgggatt	ggaggcatga	gccttggcca	120
acataataat	ctaactaaat	gctgaagaca	acctggataa	atgagaagct	atacactnct	180
ggtgggtgtt	cgtgtacata	tacgggggc				209

<210> 22218  
 <211> 241  
 <212> DNA  
 <213> Homo sapiens

<400> 22218						
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gttgatttat	tctgagtaat	tacacttact	tttgattttc	agaatataat	ggtaaaattc	120
agttctttaa	tgttactaaa	attattaagg	taatatataat	aataataaaa	gtaagtrcca	180
gtgacctaat	gaaacattta	aaatgatgaa	tggccttgtg	tagaaaaaat	atgggctctg	240
a						241

<210> 22219  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 22219						
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agttctcagc	aaggaaagta	gaaaaagaac	caacagaaac	ttttaggata	ggaagtagca	120
ataatccaaa	tatatataaa	tactaaaata	cctaaaaatg	ttctagatga	gttcaacagc	180
agaatggagg	ggacagaaaa	aagattaagt	gaaattgaag	aaagggcaat	agaaattata	240
atatctgaac	aataaagata	aaagacaata	raatgagcac	agtgtagaga	tctatgggat	300
gatagaaaag	gtataacaat	tacgtcataa	gagaccacga	ggaggggac		349

<210> 22220  
 <211> 366  
 <212> DNA  
 <213> Homo sapiens

<400> 22220						
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cactgttacc	tgttcataac	aagacaggtg	ccatcagtaa	gaggggtgcat	tgagagactg	120
ggcctttgct	ctgatatcta	agcatgtggt	tattttctga	tcattttaagt	ttattgtggt	180
ttttgtktgc	ttgttttttg	tttgtttgtt	tttgagacag	agtctcactc	tgctgcccag	240
gctggagtgc	agtkgcgcga	ctcagctcac	tgcaagctcc	gcctcccggg	ttcacaccgt	300
tctcctgcct	cagcctccca	agtagctggg	actacaggcg	cccaacacca	cgcttggcta	360

aatttt 366

<210> 22221  
<211> 335  
<212> DNA  
<213> Homo sapiens

<400> 22221  
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atattttttc ttggttaggg aagagatatt attagttgta gaagtaatta ctaacttcta 120  
cattttttat tgtggaaatc aaaaatatat atatgaaaat aaaatgttat aattgacttc 180  
agtgtcccat aaaccagctt caacaattac caaattgtga ccaatcttta cacacatgca 240  
caggtgtccc tcagtatctg tggggcattg gttctaggac cacttatgga taccaacatc 300  
tatggatgst caagtccttg atataaaatg gtagt 335

<210> 22222  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 22222  
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cagtcgattt ggttatgccc tttccaatgg cacagttgga gtttatgaca aaacatcccg 120  
atact 125

<210> 22223  
<211> 363  
<212> DNA  
<213> Homo sapiens

<400> 22223  
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atagttacta ctgcagaaca cttttatata ctgtcagtat aacagagtac ccctttgcct 120  
ataacctttc aatattatta ggcttttaaaa tatttactaa tctgatagat aaaatgatgg 180  
tcttggctgg gcgcggtggc tcatgcctgt aatcccagca ctttgggatg ccaagacggg 240  
cggatcatga ggtcgggaga tcgagaccat cctggctggc gcggtgaacc cttgtctcta 300  
ctaaaagata caaaatatta gccgggcgtg gtggcgggcs ctgtagtccc ggctgctcgg 360  
ggg 363

<210> 22224  
<211> 369  
<212> DNA  
<213> Homo sapiens

<400> 22224  
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gagaaggggg ccacactcct ctgtgccctg ctggtacggg tggaatgagg ggtgagacac 120  
cactactaca agcacagtcg ggccgcgggc ccatggactc tgagtggcga ctgcctccac 180  
ctcattcccc tgactcgtgg catgcgcagg tgctggagct tggcagccgc gcaggagcat 240  
gtaggcaggc tctcagatgt aggtggcaag tggcacagct ccatgtccgg aggccagca 300  
ctccgtctga tgggaggagt cgtgggagcc cagctccagg cctggtaccc ctcttcatgc 360  
actgatttn 369

<210> 22225

<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 22225  
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aattaaggat caacatattt gtacctgacc ccaccttt 98

<210> 22226  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 22226  
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atccgctgcg ggagtscgag ccggaaccac acccaagtag cagcsc 107

<210> 22227  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 22227  
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aaaatgtttt agaagaaatt gctgaacttc gacgtgaagt ttcttatcag aatgattaca 120  
taagcagcat ggcagatcct ttcaaaagac gagga 155

<210> 22228  
<211> 149  
<212> DNA  
<213> Homo sapiens

<400> 22228  
catacaaaaa gacacattac tttgaagata ccgaggattt taggagttga agggccagga 60  
aacaggaagg ccaaatatat atttcacaat atcacaatat gttattaaga gcaaatagtg 120  
atagaaaagt gaaagtgatg atagcagaa 149

<210> 22229  
<211> 119  
<212> DNA  
<213> Homo sapiens

<400> 22229  
agactccacg gagcctttca ggaagactct ctaggattgg aagttgctat ggcaatgagg 60  
ctcttggaat actgaaagca gccaaagccct agagaggcta ccaccgtac gccccgcca 119

<210> 22230  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 22230  
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aacgctccg gggtgaggcc catcttgacg attccaagtc cc 102

<210> 22231  
 <211> 285  
 <212> DNA  
 <213> Homo sapiens

<400> 22231  
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 gctccagaat gtgcactttt aacaagcacc ctttgggatt tttgcacaga gagtcacgga 180  
 catcgcaa atatacatatt atttaatctt agaaaaatac ttttttgtaa cattggaatt 240  
 tggcttattt ctaatattta aatcatttaa ctgccatgca attca 285

<210> 22232  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 22232  
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 catttgttaa acagttaaaa caattttatt gcatatttac catatgctag gagttagagg 180  
 gaggg 185

<210> 22233  
 <211> 79  
 <212> DNA  
 <213> Homo sapiens

<400> 22233  
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 tcccagaggc atatgtgaa 79

<210> 22234  
 <211> 345  
 <212> DNA  
 <213> Homo sapiens

<400> 22234  
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 tagggggaga gcagaaagca aaggcagctt tataaataat aaagatgttc tgcaaaaatt 180  
 cctctgactg ggttctgatt ggcttgggta gccttttttt ttgagacagg gttttgctgt 240  
 gtctcccaag ctagactgca gtggcatgat cctagctcac tgcagcctca acctcccagg 300  
 ctcaagtgat cttctacct ttgtctccca agtagctgta ccata 345

<210> 22235  
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 <212> DNA  
 <213> Homo sapiens

<400> 22235  
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cctggctacg agctgctagg ctccgacatt ctcacttgcc agtgg 165

<210> 22236  
<211> 395  
<212> DNA  
<213> Homo sapiens

<400> 22236  
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cgaggcgctg aagtggggga ggagagcggc ttcccccggt gtggttctag ccgtgggtgt 120  
ggagcgtggg aaggctcagc ttccggggcg agaacctggg gctgcgggtg acctgaccc 180  
gaggtctcag cgtagagatg ctgagtcacg aggcctgtkc tagttcacca gtgcagtga 240  
gggctcagta tccgggcctc ccgagagagg tcaaccagaa tcaagatgtc tgggactgag 300  
gaagcaattc ttggaggacg tgacagccat cctgctgctg gcggcggctc agtggttatgc 360  
tttgacagt nccagtwcac agcagaagag tacca 395

<210> 22237  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 22237  
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aactactttt ggaactggaa gggggaaatc tgtaaattga aatttatatt tatgttctga 120  
aatttgaggg tta 133

<210> 22238  
<211> 156  
<212> DNA  
<213> Homo sapiens

<400> 22238  
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atccagatga gctggccagt gctgtgaagg agctgagagc acccccagaga gccgtgagat 120  
ggcaccaaaa accaagaaag gatgtaaagg ctccaa 156

<210> 22239  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 22239  
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ctgaggcggg agagtcgctt ggacctggga ggcgagggtt gcagtgagcc gagaccgcac 120  
cattgcactc cagcctgggc aacaagagca aaactccgtc tcaaaaaaaaa aaaaaaaaa 178

<210> 22240  
<211> 174  
<212> DNA  
<213> Homo sapiens

<400> 22240  
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aaaaaaaaat gtttttgaga cagggtcttg cttgtgcacc caggctggag tgtagtgga 120

tgactaccgt tcatagcagc cttgatctct cagggtcaag tcatectccc taaa 174

<210> 22241  
<211> 70  
<212> DNA  
<213> Homo sapiens

<400> 22241  
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gaattggctt 70

<210> 22242  
<211> 77  
<212> DNA  
<213> Homo sapiens

<400> 22242  
ccagcctcac aggcccatcc tattctgttg tcatttcata acgtcttcct tgtaggttac 60  
aagccactag cccgcc 77

<210> 22243  
<211> 235  
<212> DNA  
<213> Homo sapiens

<400> 22243  
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taatattcta agaggctcta gaaacatgaa atactcagta gtgatgggtt tcccacttct 180  
cctcaatccg ttgcatgaaa taattactat gtgccctaata gcacacaaat agcta 235

<210> 22244  
<211> 342  
<212> DNA  
<213> Homo sapiens

<400> 22244  
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ctaaataact aaagtgagtg tgtcagtttt tctttcaaag aaaaatggtt taccatgaaa 120  
aatgttcagc ccacaactca aatattcaga taagtgtttt tcttcaggac ggaacattgt 180  
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catttggaag tgaaacaggc ttttgttttc tgcaattcat gt 342

<210> 22245  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 22245  
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aggcccttga ctttggtgtca ctgtgaggca gcagagtcca tgctctgcat caggggaggt 180  
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<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 22250  
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agcatgggta aaataatcaa gttagtttgg gagatttaag gagagaagag tatgaattat 120  
acttgctgaa tgcatactat atacaggcat gtggcaaacg atttattatt attattttat 180  
tttatttttg agatagggtc tttctctgtc gcccaggcgt cc 222

<210> 22251  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 22251  
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aatssttttc acatttcttg tttttgtcag gtttgtcaaa gatcagatgg ttgtagatgt 120  
gtgggtgttat ttctgagggc tctgttctgt tccattggtc tataatctgtg ttttgggtacc 180  
agtaccatgc tgtttttgtt actgtagcca tcg 213

<210> 22252  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 22252  
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agagccaact ttagagtgtc tgctacctct tcattaccaa tcagaattag atgatgttta 180  
actgttagac tgaagcgtga cgctttcatc agtagcttca agaaagtcta aattgttaat 240  
ttatggaatt ggacatcag 259

<210> 22253  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 22253  
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tgtaagacca ttgttacttc tcttcatttt ttcaattgct gtgttttagca gtttactttc 180  
cttgagtwtt tttttttaaa cacagggtct cgctctgtca cccaggctgc ggtgcggtgg 240  
cctgatcaca gctcactgca gcctctacct cccaggctca agtgatcctc csgcctctgc 300  
ctct 304

<210> 22254  
<211> 303  
<212> DNA  
<213> Homo sapiens

<400> 22254  
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gtctacttgg cttatagtca ttgctccagt taatcctcct cttatcagcc cccatggtca 120

tccccattca	cagatgagaa	gaatgaggct	cagaagatta	aacagctcac	ccaagagtgt	180
gaagccaagc	caggatttga	gccagatcg	tctgactgca	ggagaccct	attttagtca	240
attcttgttt	atttaatccc	atctatttat	ttttacgtgt	atnttttttc	tttagccagc	300
aaa						303

<210> 22255  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 22255	
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aaataacttta	ttatttagtt
ttcttgggtg	ctttcaaggg
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atttttaaaa	ttttaagggt
ctgggagagg	tagtgctagt
acttctaaga	aaataaacct
120	
caaatgagag	agacatgcac
attaatatcc	ttat
154	

<210> 22256  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 22256	
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catggctgat	ataaacaagg
gccacaaaag	acaaagtttt
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aaacgttgct	ggacaacatc
ccctacctag	gacagctgat
120	
cacattacat	gttctacaat
cactggaggg	cactcactcc
tgcattggaag	tttttttatt
180	
cattgttaat	tgactgtaat
tcataattctc	caatctgcc
atttcaaact	tttctaattgt
240	
atttgattcc	caggccttgg
aattaactca	aagttggctc
acactttaca	aagaaagtaa
300	
aatctctgac	ataacttgcc
tctgcttgcc	ccacc
335	

<210> 22257  
 <211> 230  
 <212> DNA  
 <213> Homo sapiens

<400> 22257	
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arcagcccac	tgtccttgtg
120	
ctgatagatg	tktttcttaa
tatttttaggg	tgactcagtc
catttatttc	atgaatttta
180	
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230	

<210> 22258  
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 <212> DNA  
 <213> Homo sapiens

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ttgcatagtg	awatagcaag
atttgtcaat	atgctattct
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ccatttacat	tagtgcaaga
120	
tagaaagcga	gtvcagatga
atttcattgc	tatagttttt
cataaagtac	tatgttatct
180	
agcagcaaat	
190	

<210> 22259  
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 <212> DNA  
 <213> Homo sapiens

<400> 22259  
cagtttctct actctcttgt watgtaccaa attctaataga tattttaagt cagttctatt 60  
ctcaccaacc agccttttct ttttaacacat cggtattact gcaacacttt ctageccgacc 120  
tc 122

<210> 22260  
<211> 248  
<212> DNA  
<213> Homo sapiens

<400> 22260  
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catgatttta attaaatata tgggaaatgg attcttatta aaattcaata aatttttttt 120  
ttaccccaaa tgtggtcaag tgttttcccc tggatttatg taagcataac tcctatgata 180  
tggtgtaaaa tgaatcatal tttttttttg aagatgcttt kgtttgagta tctycaagaa 240  
aatctgt 248

<210> 22261  
<211> 371  
<212> DNA  
<213> Homo sapiens

<400> 22261  
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tcccctctc ctccatgttt ttatttttgt gtctgtkttg tttctagcac tgtatttagt 120  
actgtagttg aatgaggtat gatgtctccc ttcaaggaaac tcagaatgga acagaagcat 180  
gagcaaaaaga ttgtattaca gaggtatgaa taaaatgcc tggggaacac agagaaagg 240  
tcaccgggga gagatggcct agccacttcc ttagtgactg tttggtatat gtaggtcccc 300  
ctgccattac tctttcagcc ttctgcaatc tagttctact tagtcacaca cttctctaag 360  
accactcata c 371

<210> 22262  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 22262  
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aaatattatt tgccaaaagt ttgtttatat tcagaagtct gactatgatg aataaatctt 120  
aaatgctttg tttaattara aaacaawaat caccaatctc caagacatga agatatcagt 180  
tcaacaaata ctgtagttaa gagactaact ctccacttgt atgggaacta catttcactc 240  
ttggttttca ggaataaaca gcacat 266

<210> 22263  
<211> 212  
<212> DNA  
<213> Homo sapiens

<400> 22263  
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tacatccttg tctgaacgta tctgtcttct aaaattatta tagccaaact agtgggtgtg 120  
aagtagtact tcattgtggg tttgatttgc atttctctaa tgactaatga tgttgagtgg 180  
acatctttcc atgtatttgt cagtkgcata ga 212

<210> 22264  
<211> 176  
<212> DNA  
<213> Homo sapiens

<400> 22264  
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agtgattcta actattgcct atgaacaccg tggctgggac gactttgacg aggcaattta 120  
ttacttacgc atagaacact ggctgtgctg aaactgggag cgcaaacagc cccttg 176

<210> 22265  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 22265  
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cgcygcacc gccccabgcg cacacactcc tgcncacgcc cagcgagc 168

<210> 22266  
<211> 215  
<212> DNA  
<213> Homo sapiens

<400> 22266  
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aactttaaga cctaggagct tatcagaaat gcggaatctc tggctgtgtc aagatacccc 180  
agtgtccat aggcattgga aaattgagaa gcgac 215

<210> 22267  
<211> 244  
<212> DNA  
<213> Homo sapiens

<400> 22267  
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cgcgcgccgc gggctccctc cttgcagcca gccggcggtc cagcctggtg cctctgcaaa 120  
ggaaagggga gcgtggagac gtgttcgagg tggatcggc gaggatctct cggcgccgc 180  
tcactccdtg gtcgccttgc ttgccagcag tbgtccctt agtccttggc tcgctcgac 240  
acc 244

<210> 22268  
<211> 111  
<212> DNA  
<213> Homo sapiens

<400> 22268  
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<210> 22269

<211> 240  
<212> DNA  
<213> Homo sapiens

<400> 22269  
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aacactaata gatgcttaag attttgttgg ctttaattatt tctgatagca tttctaataga 180  
tactatgtaa aactcatata accctctaca ttttacctct ggctaaacat taggcctcca 240

<210> 22270  
<211> 63  
<212> DNA  
<213> Homo sapiens

<400> 22270  
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cct 63

<210> 22271  
<211> 405  
<212> DNA  
<213> Homo sapiens

<400> 22271  
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tttaggattt tcttacaagt gagggatatt gggctctgtga wcgtaaagtg attattttta 120  
agacatggtc agccatttcc aacgtttgat tcatctgtag gtctgcttct attgactttg 180  
ttctcttgat tatgggccac attttccagc ttcttttgtgt gtvttyaaact tttgtattat 240  
gtgtactttt accttacaca caagcacata agccatgtaa agtccctgtt ttggtgaggt 300  
tgcaattttt gagcctcaaa ttctgacagg aagccccagt gaagtagaac tcattagcaa 360  
aaagccattg tctgaaatgg caagcagcac agtacaaata ccagc 405

<210> 22272  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 22272  
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ttgttttatt tgcaaattag gtcctccaaa agctggggaa agctgatgmg acaaaagacg 180  
aacagttcga agaatatgtc cagaacttca aacggcaaga 220

<210> 22273  
<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 22273  
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cccgtctcta caaaaaatac acaaaaaaat tagctggggc tgggtggcggg cgctgtagt 120  
cccagctact caggaggctg aggcaggaga atggcatgaa ccca 164

<210> 22274  
<211> 139  
<212> DNA  
<213> Homo sapiens

<400> 22274  
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gatttcatcc atggcctta 139

<210> 22275  
<211> 362  
<212> DNA  
<213> Homo sapiens

<400> 22275  
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gggaccgaga agatttcgaa ggtggaggag cgtgtctcaa gattggggct acctgttctt 120  
tcgtggggca gggaaggggc ggacagcagc gcctattctg gaggaactgg actgagatgt 180  
gaccccgaa tgttaccgct tccaaacgaa atgaggggtca cctttcacac cgcccccccc 240  
ccgggggttg aaaagccacc gatcggtcca gctgccgagc agctcttaaa gctttggatt 300  
cggctgtcgt ggagataacg ggcaccagaa aaactttagt gagtagcaam agctatttgg 360  
tc 362

<210> 22276  
<211> 185  
<212> DNA  
<213> Homo sapiens

<400> 22276  
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acaatttttt aactcaaaat ttgtcaatca tttttaatag ttcttttttt ataaaaagaa 120  
aaaggaattt aaggacaggc agtagtctct tttaaaattt attcacaaaa cccattaact 180  
gcact 185

<210> 22277  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 22277  
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ggttcccgga aggcaggggc tgggcagagg ggagaggaag cacaagaagt gggagtvvga 120  
gggga 125

<210> 22278  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 22278  
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acaaagagaa ttccagagaa aggtagcatc tgagctgaaa cctgaacaac aagtaggagt 120  
cccca 126

<210> 22279

<211> 117

<212> DNA

<213> Homo sapiens

<400> 22279

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<211> 280

<212> DNA

<213> Homo sapiens

<400> 22280

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acccccagct ctcacccgtg gctcaagagc tggtcagtga gacagagctg aggcacctgg 120

cgttgacagta cagcaccctc agcaaatgag atcacactct gtctcttccc agataccctc 180

tcctcccttg cagggcggtt cctccctggg ggcctttgca tctgggaatg gagaatgggg 240

gcagctcatg gggctttctc ccttcagaaa tgaagccacg 280

<210> 22281

<211> 221

<212> DNA

<213> Homo sapiens

<400> 22281

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gtaatagtga aggtttattg gtttctcact tgcgtgccac cagcatgctt tgaataacaa 120

gactacttac tatctctata catatggctg aatttctaag gtgtgcagct tcttcatatt 180

aattggttta ggacattcat aaattacagc acccaggtgg a 221

<210> 22282

<211> 178

<212> DNA

<213> Homo sapiens

<400> 22282

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tgtacaaatg ataaacagat tgtatcctgc tctggagatg gagtaaatatt ttataccaac 120

gttgagcaag atgcagawac caacagacaa tgccaattta cgtgtcatta tggaacac 178

<210> 22283

<211> 54

<212> DNA

<213> Homo sapiens

<400> 22283

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<210> 22284

<211> 135

<212> DNA

<213> Homo sapiens

<400> 22284

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ccattctact	gcctt					135

<210> 22285

<211> 241

<212> DNA

<213> Homo sapiens

<400> 22285

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tcattctacc	catttcagat	accttcagtg	aaattaaggg	tagtgtgatg	tcccatgtaa	180
taaaacaggc	ttagaacatc	aattcctctg	ctgccattta	tgtgcttkta	ttccccctta	240
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<210> 22286

<211> 69

<212> DNA

<213> Homo sapiens

<400> 22286

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<210> 22287

<211> 166

<212> DNA

<213> Homo sapiens

<400> 22287

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aatgagcagg	agacgctcgc	tgatgccttc	tgtgatgtgt	ttcttcccca	gctccagaag	120
aaaaggaagt	cattaaagga	cagtatggca	agctcacgga	cgcaag		166

<210> 22288

<211> 184

<212> DNA

<213> Homo sapiens

<400> 22288

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acttgagtaa	tttgtacagt	caatattttg	aagtttcgga	gttaccagtg	aaatagcaaa	120
gctgttctcc	aggaaaggac	atccaggttc	ccaccacggc	cttccttcct	cagccccgcg	180
agcc						184

<210> 22289

<211> 420

<212> DNA

<213> Homo sapiens



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atgggcaacc actgggatga attccagaga attgtgctga gtgagcaaag ccaatcataa 300  
aagtttgac actgtatgat tccatttaca taacattttg aaatgcaaaa ttataggaat 360  
ggagaataga ttaggggttg ccaggaggga gtggggagaa caagagartw gggcataact 420

<210> 22290  
<211> 205  
<212> DNA  
<213> Homo sapiens

<400> 22290  
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tttattaggc aaatgttaaa tgagtntcca ttcctgaagc tataatctact gatgtaagg 180  
agaaaccata cttgaaagca ccgtc 205

<210> 22291  
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<212> DNA  
<213> Homo sapiens

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cgtaatggga aaatcacaaa gtgtaagggt gaatggacaa cataaaaaatg aaagatttct 120  
ggatgccaag caagggttta tatgctttta tattgagttt agtaatttaa tatgaaaaag 180  
acaaatgcta ca 192

<210> 22292  
<211> 245  
<212> DNA  
<213> Homo sapiens

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ggcggacggc ggctcggagc gggctgacgg gcgcacgctc aagatggagg tggactacag 120  
cgccacgggtg gatcagcgcc tacccgagtg tgcgaastag ccaaggaagg aagacttcaa 180  
gaagtcattg aaacccttct ctctctggaa aagcagastc gtactgcttc cgatatggta 240  
tcgac 245

<210> 22293  
<211> 139  
<212> DNA  
<213> Homo sapiens

<400> 22293  
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tgcgtcctcc acgagctctt ccacctgtgc caagtcaaga tgatattcca cttagtcgtc 120  
ctaagaaaaa gaagcccag 139

<210> 22294

<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 22294  
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ttttagattt aaattttgcc aggtgatgga tgtgaaatgg catcttataa ttttaattta 120  
cagttcccca attgctaatt agataaatat atttttatat gtatataatg cattcatgat 180  
tctacttttg attcataggg aaaa 204

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<211> 105  
<212> DNA  
<213> Homo sapiens

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<211> 166  
<212> DNA  
<213> Homo sapiens

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gtgggggattg ggcaggatcat tctcatccag ggttctctag tttagaattt gttcttctta 120  
gtctgaagga agttgttgac tttttatgtg tatbataagg gccatc 166

<210> 22297  
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<212> DNA  
<213> Homo sapiens

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gttgatcact cctctcttaa tgctactact gtaccaagga gatacagtgc ttcttgactt 180  
acaatggggt tacaccttga taaaccatt gtaagttgag agtatcttaa gttgaaaatg 240  
catttaatac acctaaccta ccaaaca 267

<210> 22298  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 22298  
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ccctggccca ggtctttcgg ataaaggggg ccaactgccca gtgtgcacag gccagaagg 120  
aagaaaagac aagaaaggcm aggtgctgay tgccttgggg gttgttttgt gtaaacaggm 180  
agcctt 186

<210> 22299  
<211> 433

<212> DNA  
<213> Homo sapiens

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gttatgtctt tccgcgacct ccgcaatttc acagagatga tgagagccct gggataccct 180  
cgacatatat ctatggaaaa ttcccgta caaatatttg gacttgatc tgaagtgtt 240  
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caggaccgag ttttcttcat taaggcaatt gccagttcat ggccaccaag gcacatatata 360  
aactcaacac taagaagctt tatcaagcag atgggtatgc ggtaaaagag ctgctgaaga 420  
tcacatctgt cct 433

<210> 22300  
<211> 462  
<212> DNA  
<213> Homo sapiens

<400> 22300  
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atacgatcat atcaataggt acagaaaaag catttgacaa aatccaatat ccattcatgt 180  
taaaacctct caacacagaa ggaatacagg agaacttact caagttagta aagaacatac 240  
tacaaaaaac cctacagcta acattatcct tgatgtttcc aactagacac tttcctacta 300  
agatcaggaa catggcaagg aacaccacac cactgctttt cagcattgta ctggaagtgc 360  
tatataatgc agtggttaaaa aaaaaagaaw taaaatgcac atagatttga aaggatgaaa 420  
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<210> 22301  
<211> 408  
<212> DNA  
<213> Homo sapiens

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aagaagaaaa tccaagtcag gagcaggaaa aggtaaactg actcgcagcc ttgctgtctg 180  
tgaggaatct tctgccagac caggaggtga aagtcttcag gatcagactc tctgaaaact 240  
gcaaattgaa aggaattcaa aagaatttag attaaaagt aaataaaaaag taggcacagt 300  
agtgtgtaat tttcctcaaa ggctctctnd tgataaggct gaaccaaata taatcccaag 360  
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<210> 22302  
<211> 368  
<212> DNA  
<213> Homo sapiens

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tttaaaatta tttattcata ctttcagaaa gttaccaatc gagtcctact atatgcaag 180  
accatgttaa aaataatgag aaacagaata tcttggtgga tatgtttctg ccaccagaa 240  
acatttacca ggggtggtaaa gatcttgtat taaaatatac agagttagt ttcaaagtaa 300  
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agagcaga 368

<210> 22303  
<211> 161  
<212> DNA  
<213> Homo sapiens

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aggaaaaccc caggcacttt cggaggggtt ctgccggcag tcacggcgtc gggaggaaga 120  
catccccacc agcccttccc tttctccccg cttccgcaca c 161

<210> 22304  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 22304  
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cagaaatgaa actgtccttt tgacaactct cttatataat aaagtatcac cggc 114

<210> 22305  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 22305  
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<210> 22306  
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<212> DNA  
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gagatctgga tctgcccac cttttggcta gtgacagggc taattaattt gctttataca 180  
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<212> DNA  
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

<400> 22309  
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 caggagcatg tttgttcttt tatttggtgtt ttggaagata cttagccac tttttttttt 180  
 tttttttt 188

<210> 22310  
 <211> 213  
 <212> DNA  
 <213> Homo sapiens

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 aatgttctg catccatagg gaaatggggg ttcataattc tcgcattcag tctttggaac 120  
 tagacaaatt aggaacttct gaactcttgc tggccaagaa tgtaggaaac aatagtttta 180  
 atgatattat ggaagcaaat ttaccagcc cat 213

<210> 22311  
 <211> 113  
 <212> DNA  
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<400> 22311  
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<210> 22312  
 <211> 349  
 <212> DNA  
 <213> Homo sapiens

<400> 22312  
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 aaaacgtgtg caattgtgta cttaaaatgg ataattttca tgacatgcaa attatacctc 180  
 aagaaagcca ctaaacgtgg gtggccactc aaaatttcaa attctcttta agatgaccat 240  
 tcaggtcagg catggtggct cacacctgta atcccagcac tttgggaggc caaggcaggc 300  
 agagcacgag gtcaggagat cgagaccatc ttggctggcg cggcggaac 349

<210> 22313  
<211> 193  
<212> DNA  
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<400> 22313  
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atgaatctca gccacaggct attccgtgtc taatgtgcca gatttccac ccaaaacat 180  
cttnggaccc cct 193

<210> 22314  
<211> 281  
<212> DNA  
<213> Homo sapiens

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acgtacaaat tcacgtatct ttgtaacaga atgatttatt ttcctttggg tatattccca 180  
gtggtgggat tgttgggtga aatgggtattt ctgattctag atcttcgcca cacaatcttc 240  
cacaatggct gaactaattt atattctgag gggacacatc c 281

<210> 22315  
<211> 181  
<212> DNA  
<213> Homo sapiens

<400> 22315  
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aggtttgtag tctaagtgcc agaaccatgg aggagactct ggccttatct gtagggaacc 180  
a 181

<210> 22316  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 22316  
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cattggttat aagatatagt caatttcaga gattaaactg tgaaaaaagt acatcttaaa 120  
atcagtgaga tacagtgttt tcatttgtat aaggatataat ttgggggttt tgattgcttt 180  
aaaaacattt acctttatct tgtatccttt actcctagcc ccagggtgcat gtcagtaatt 240  
accacagac tgcccg 256

<210> 22317  
<211> 142  
<212> DNA  
<213> Homo sapiens

<400> 22317  
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ccataaatta actccaatgg ggattgtgtg tctgctgtct cgtgctgttt attcttgctt 120

cttgttgtaa attgcagtac ga 142

<210> 22318  
<211> 67  
<212> DNA  
<213> Homo sapiens

<400> 22318  
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agagaga 67

<210> 22319  
<211> 229  
<212> DNA  
<213> Homo sapiens

<400> 22319  
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tagaggaaat cttattcatt aattttatatt tctgagtaaa aaaacgaaac ccaaattctca 120  
ttttattttca actgttaaac attttgatct gttgacccat aggatcagga tttgggaacc 180  
actttactag gaaagagcag atcagtacca tttgtataaa accgggcca 229

<210> 22320  
<211> 333  
<212> DNA  
<213> Homo sapiens

<400> 22320  
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cgagtagctg ggaccgcccgg catgcaccac tatgccacgc taatattttc tgttattttt 180  
gtagagacag ggtctcccta tgttgccctag gctgggtctca aactgctggg ctcaggtgat 240  
cctcctgcct cagcctccca aagtgctggg attacaagtg tgarccacca tggctggcca 300  
cctttttgtg atawttgaac tccagcaata ttt 333

<210> 22321  
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<212> DNA  
<213> Homo sapiens

<400> 22321  
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ccagtaaggg gagagctgct tgagtgggtga gcacaagctg ggcacctccg gcgtctccag 120  
gaaacgtgaa taggcccttt cttcggaggg cacagaactt caggatcagg gcccaatgga 180  
gactgagcgg acttaaccct aactgtgctt 210

<210> 22322  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 22322  
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gtctctcctc accaccttct tttgcatttg gaaagaacag caacatcttg atagagtctt 120

agctttgact tctcatttcc ttgtcttttt ggggtgcattc ctcagcac 168

<210> 22323

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<212> DNA

<213> Homo sapiens

<400> 22323

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attaaccaa	aaatatttca	tcccctccgt	caactgaa	atctacttca	gccacctttc	180
ttattctcgt	gttaggagg	cacgtttatg	gactttttta	tttccatgtg	ccatattgtc	240
cactaccggc	agtagccaaa	gctagctgtt	tcagtcccac	agaagagaca	gtgctctgcc	300
atgatgacag	ggcactgcta	gggctgggtt	ttcttggttt	tcccttttgg	cagtgtggac	360
ttcaggaact	agatgtatat	gcacaaggga	ttgagtttac	actaaaacta	ggaaatggag	420
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<210> 22324

<211> 128

<212> DNA

<213> Homo sapiens

<400> 22324

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cctgtttcct	tttattcagt	taaattccag	aaagaaaatt	taaacatttt	aattttaata	120
gcacgtac						128

<210> 22325

<211> 227

<212> DNA

<213> Homo sapiens

<400> 22325

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gctacgccca	gcggccggag	cgagttgcag	ctttttccac	aaccatcgaa	ggctactctg	120
atgttgaatt	agcaggataa	actgaagata	acaccttgca	gaagcagatc	tcaattaaca	180
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<210> 22326

<211> 368

<212> DNA

<213> Homo sapiens

<400> 22326

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tgaagaaga	atgacttctt	attgaatcat	ggactccatt	ataggctttt	ctaataataa	120
tcgtaaggag	aacaaagcct	caagaaatct	gttctcttta	ataacacagg	gtttgataaa	180
ttagtatgat	agaatcaagc	tggtgtagtg	cttaatctca	caagggtactc	attttctttc	240
atacttttct	tttcaaaatc	acactctgat	tcccatatat	tatttcctgt	gagaaatcat	300
aacatatttt	ctatgtaatt	aaaactttcc	tgagttcact	ggaacacaga	gtgacatcta	360
aatcaatt						368

<210> 22327

<211> 207



<212> DNA  
<213> Homo sapiens

<400> 22327  
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attcgttgtt acagaaattc tccaggtggc tccaggcacc ttgactatgt ttttcattta 120  
gcagaaactt aagagcaatg aaggtgattt tactgagaga ctccatctta attctcagat 180  
catctagaca tttaggaaaa gccacc 207

<210> 22328  
<211> 76  
<212> DNA  
<213> Homo sapiens

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aaagtgtacc aaggtc 76

<210> 22329  
<211> 220  
<212> DNA  
<213> Homo sapiens

<400> 22329  
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ttcttttgag aaatgtctat tcagatcttt tgcccaatcg 220

<210> 22330  
<211> 288  
<212> DNA  
<213> Homo sapiens

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taaaatgaag aacctgattg caaatctctg aaataaagac ttgctccaaa ccaggggtga 120  
taagactata agtccaactg agaacctgac aacaaaatta tctgccc aaa atgatatgtc 180  
ttgtcaaggg tagagtcaga accagatctg aggtctcctg actttcagtc tagtgtcttt 240  
cctctacccc ttctgtccca tcagtttcta cttgagtcta gatgccac 288

<210> 22331  
<211> 488  
<212> DNA  
<213> Homo sapiens

<400> 22331  
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gctggtctct gggctggggg ccccggggc tgggcccggc aggctggacc ataccccag 120  
tccaccagct ccagtctcca cagccatcct ggcccacaca ggcaccccac acaaacctat 180  
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gctggggccc agattgtgag gtctgtgtgc atgtgtgtgt gtatgtgtgt gtwcatgcgt 480  
gtgtgtgt 488

<210> 22332  
<211> 125  
<212> DNA  
<213> Homo sapiens

<400> 22332  
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gtccc 125

<210> 22333  
<211> 291  
<212> DNA  
<213> Homo sapiens

<400> 22333  
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cgctggcagc gcttacgctg agctcggagg atcccattag gacttgcccg gggatgtgca 180  
cctgccgtgc gctccgaggt cagtggcagg tctgcaggca gccgagggag cggatgaagcc 240  
ggaagacctg tctctgccc a tgtgcaaggc agtgatttcg ggtgaganag c 291

<210> 22334  
<211> 155  
<212> DNA  
<213> Homo sapiens

<400> 22334  
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gtttagtcaa caagaaatta atgctatttt ggaactatag tagcttgata accttttata 120  
atgtatttta aaaaaattaa tatgtggagt aggca 155

<210> 22335  
<211> 352  
<212> DNA  
<213> Homo sapiens

<400> 22335  
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tgcaaaacttg gctcactgca acctccgtct cccgggttca agcgattctc atgcctcagc 120  
ttcccaagta gctagaatta caagcgccca ccaccacacc caactaattt ttgtattttt 180  
aggagagacg ggttttcacc atggttagcta ggctggcttc aaactcccga cctcaggtga 240  
tccacctgcc tcggcctctc aaagcgttg ggttacaggc gtgtgagatc aactttttta 300  
gattccgcac atgagtwaga tcacgtggtg gycggctgtc tatgcctggc aa 352

<210> 22336  
<211> 468  
<212> DNA  
<213> Homo sapiens

<400> 22336

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tcctgccctt	ggactgggat	ttacaccctc	agcctctggt	tctcaggcct	tcagacttgg	180
actggaatta	tactcttggg	ctcctctcca	gtttgcagac	agcagatcat	gggacttgat	240
ctgctdgcct	caataatcac	gtgagccaat	tcctcataat	aaatgtgtgt	gcgtgtgtgt	300
gtgtgtgtgt	atttatatac	acatacctcc	tatttggttct	gtttctctgg	agaaccctaa	360
tacagaggtg	acctattttg	tagagcgtga	cagtcgcgatc	aaaaagactt	gtcaagccat	420
taagaaagat	gattacaatg	ctatatagca	agctggaaat	tgatcaca		468

<210> 22337  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 22337	
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aaaatgaagg	aaaacacttg
gaaaagataa	aattagagga
agagtgaaca	ggccactttg
agaccggcct	gggcaacacg
gcgtggcagc	gtgtgcctgt
raccagggac	gcggagggtt
	cggtggggccg
	agatcacgcc
	actgcactcc
	agct
	60
	120
	180
	240
	300
	360
	414

<210> 22338  
 <211> 134  
 <212> DNA  
 <213> Homo sapiens

<400> 22338	
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gaccacgaaa	ggtgcctact
cgtgaagcac	taca
	60
	120
	134

<210> 22339  
 <211> 189  
 <212> DNA  
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<400> 22339	
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gttttccac	tgccttttgg
gaggatccc	
	60
	120
	180
	189

<210> 22340  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

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	caa
	60
	83

<210> 22341

<211> 293  
<212> DNA  
<213> Homo sapiens

<400> 22341  
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ggggtcttcc tgtttcgtgt ccgctgcgtt tgggttccgg tctccgcttc tccagtggcc 120  
ccggtggctc caccgcagcg tctggcgcgc tgggacctgc acaggccgga gagagccgta 180  
gaggaccccg ggacaccctg gaagccagga aatgacggag tttcgctctg tcgcccaggc 240  
tggagtgcag tgggaagatc tcagctcact gcaaccttcg ccttccgggt tca 293

<210> 22342  
<211> 102  
<212> DNA  
<213> Homo sapiens

<400> 22342  
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acatatgtat cattcccttc caaacttttt tttttttttt tt 102

<210> 22343  
<211> 339  
<212> DNA  
<213> Homo sapiens

<400> 22343  
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ccctgtcccc aaatatattg gctatatgag agtaatttta cccctctacg tacctaaagg 120  
caccagttc actagtctgt ggggtcctgg agcctgtctc ttctttcttg aggttcaaac 180  
tgaatagcaa taattacgtt acccaaagca tgtggaggaa aagtgaaacc agccacggag 240  
acgctggccc acgggctcgg cctgcggtgt ggctgtcttt gctcaccagc gtcascgctc 300  
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<210> 22344  
<211> 195  
<212> DNA  
<213> Homo sapiens

<400> 22344  
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ttgaggattg gaagggactt ccaaaaatct aaccctctggc tccaaacctc ttagaagctc 120  
tccccagcaa gtgcccttgc tgctgtctcca gatattctgga cattcaccctc atccaaatag 180  
aggctttctc tccgc 195

<210> 22345  
<211> 257  
<212> DNA  
<213> Homo sapiens

<400> 22345  
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gatacaattc ctttactgga tatatgattc taaaatattt tctccaagcg tgtgtactgt 120  
cttttcattt ctttcaggat ctctcttgaa gcacaatttt ttaaaatttt gatgaggtcc 180  
aaattgttaa tttttttctt ttatggactg tgcttctgtg atcatatcta tgaaatcttt 240

gcataaccta aggccat 257

<210> 22346

<211> 118

<212> DNA

<213> Homo sapiens

<400> 22346

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gagcaccag ctatgatttg taatttgtgg tccatgggag gggcttgaag gaaagacc 118

<210> 22347

<211> 325

<212> DNA

<213> Homo sapiens

<400> 22347

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gttggttat ccttcagagt gaaatcttaa ctacacaaacc ataatgaaat gtgcaaaaca 120  
agaatatatt gtttctgttg tattcttmdt agttctaagt atttatcttg caattgagca 180  
tttacaaaa attcctcacg ttgtgagaac ttaaacattt agaaaatgtt tgttttaatg 240  
aggctaattcg taatcttaaa tttaaaaaat ttttagttta atgtatacat ataccacaa 300  
gatattattt taaagagccc catct 325

<210> 22348

<211> 125

<212> DNA

<213> Homo sapiens

<400> 22348

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gaatggagga agattcatca gaaaagcatt tggatgtgga tctggaccgc cagtctttaa 120  
gcagc 125

<210> 22349

<211> 353

<212> DNA

<213> Homo sapiens

<400> 22349

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aaggcagcac aattatgtac atctttttac cagggctgtc atattttacc aggttaagtg 120  
tgaaaatacc atttgatggc acaggacacg tatttgccta gaacagggtt tatttttatg 180  
tctgatcgct cagtataaga tctaggaagc aaacaatcca gaactctgaa caaacattct 240  
gacagcctga aacggaatac tcaggtgagg ggaggaagag gaggcaaac aagagggttg 300  
acagggaaaag gcatcagttg ggctgttctc cccagggttt cctcttagt att 353

<210> 22350

<211> 184

<212> DNA

<213> Homo sapiens

<400> 22350

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actttctgtg cttctcacga ttcaaactctg acttcagttt aaccatttga atatttggcc 120  
ttaaatacaa attgatgaca tagtgatgga ttgtgtttta tgacatttat tttatatggg 180  
cctc 184

<210> 22351  
<211> 429  
<212> DNA  
<213> Homo sapiens

<400> 22351  
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gctggcaaaa atgcttgaaa cctctatatt tctttcgttc ataagaggta aaggtcaaat 180  
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caagaaagag aatggagaag taaagatttt gctgaaaagt gggaaggaga aacaaaaaac 240  
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<212> DNA  
<213> Homo sapiens

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<400> 22359

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cagcccat 129

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<212> DNA

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cttctggaaa	atTTTTaaatt	acatgtatga	ctggcatcat	ctgtcttttg	ccagcactag	360
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<211> 116

<212> DNA

<213> Homo sapiens

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<212> DNA

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<212> DNA

<213> Homo sapiens

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gtacaattca	atacgtggaa	aatgataaaa	tatacaatcc	atatactttt	ctttaaaaaa	360
tgacaatgta	ttccagccaa	cagaaacaac	tcaaaattgt	aaacttaaga	atgtggaaga	420
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<212> DNA

<213> Homo sapiens

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<210> 22378  
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acagatgggg aaagtgagac atgcttgggg tcacatggcc aggacattcc cagatgtgac 180  
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<211> 149

<212> DNA

<213> Homo sapiens

<400> 22379

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<211> 333

<212> DNA

<213> Homo sapiens

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cttttggtgt gggagtctgt cctgtgcatt gtaggatatt tagcagcgtt cctggcctca 300  
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<211> 236

<212> DNA

<213> Homo sapiens

<400> 22381

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gggctcaciaa ccctgtgacc atcaactgtg caggacccca gcccaaggca aagcaacctg 180  
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<210> 22382

<211> 367

<212> DNA

<213> Homo sapiens

<400> 22382

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gcgggagttg tgtggtggtc cactctgact gcaagcacc ctttcttgaa ccgaacagag 300  
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<213> Homo sapiens

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<210> 22387  
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<212> DNA  
<213> Homo sapiens

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gtttaatatt gaataaaagg aggattatca aattcatata tgataaaagt gaatgttcta	300
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<210> 22389

<211> 99

<212> DNA

<213> Homo sapiens

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<211> 67

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 256

<212> DNA

<213> Homo sapiens

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atggactcaa gaaatcctcc tgccctggcc tcccaaagtg ctgggattac aggcgtgatc	180
cagtgcacct ggctgttttg tgtatgttgc gccasccttc atcccaggaa taaagcctac	240
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<211> 112

<212> DNA

<213> Homo sapiens

<400> 22393

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<211> 143

<212> DNA

<213> Homo sapiens

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<211> 198

<212> DNA

<213> Homo sapiens

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cctgagctca ggcagtccgc ctgcctcaga ctcccaaagt gctgggataa cagggtgtaag	180
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<211> 113

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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ttttatttaa tgtgtttatt attaaagcct attatactgt gatttcagtt gttctcttgt	240
tctagagaca acaactggga gagctattct agcatttagc taccttacta tatactatat	300
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gaagacacta tagtccstga aagctcccg ccccg 215

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taattctgtt tatatggcac attc 144

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<212> DNA  
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gggacagttc atctaagatt cagaaacaga attgagctgg tttgggggaa aagtgacttt 180  
cgcctgttta tcttaaatat aggatgattt tgaaggctct acccgaaat ctgaaaattg 240  
ccattttcaa aataaactcg tcaccaaatt gatttttttt tcactataaa atgaaggcag 300  
acgt 304

<210> 22401  
<211> 87  
<212> DNA  
<213> Homo sapiens

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<210> 22402  
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<212> DNA  
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<400> 22402  
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acgcgaccac gctaccagag aatcagctct acgtgccasc aacattgcca ccaac 175

<210> 22403  
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aggcggggagg agagcgattt cttagacaaa aggct 215

<210> 22408  
<211> 313  
<212> DNA  
<213> Homo sapiens

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ttgattaact tatactgtag gtggttatgta ttmmatgac aaaaaaaatt aagtcttcaa 180  
atTTTTTaaa ggTTTTTTTT ttwaatttaa ttttyccttt tgggggwaaa gtttgcycta 240  
ccaaatagtg attgwaacaa attgatckgt ttkggatgk gcwawagtga catgcagtwa 300  
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<212> DNA  
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<210> 22410  
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<212> DNA  
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acagaagtag aggacaaga gaggtggaga agatgaagac ttcaatcagc agtcactagt 120  
ctaagggttg aacaatttct tcttggtata aggttctttg atcagtagct atgcctgccc 180  
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<210> 22411  
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<212> DNA  
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gcatgaaggc agtgaatgtg tgattgcagc tctcataggg ctttctagta agggaagtgg 180  
atatataaat tggaactaaa aggctttgga aagtgcagta gtagatgaat agaatatctt 240  
tgaaaccttg agttgggagt ttcttaacc agagggttcc caagaccacc ttcaggttca 300  
aagtttcact agaaggacat ca 322

<210> 22412  
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<212> DNA  
<213> Homo sapiens

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cacagagccg gagctggagg tgctgtcccg tctggcggcg atcccc 106

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ttttaataat gtagctgcca ga 202

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<211> 128  
<212> DNA  
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<400> 22414  
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cacagccg 128

<210> 22415  
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tttatcaact gaatagacct tctaagaaga atgcagtttg gcctcttttt tttttttttt 180  
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<210> 22416  
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cct 423

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<212> DNA

<213> Homo sapiens

<400> 22417

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catcaggaca	ccccagtga	gctctccctc	agcaaaagtt	catctttctt	cccatagbng	180
gcactattct	gaattttgat	cattattgtc	ttaatttttt	tactacccat		230

<210> 22418

<211> 336

<212> DNA

<213> Homo sapiens

<400> 22418

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aacattgttt	ttacaaaagt	ttgtgcttat	cattgcctgt	tttatcatgt	tagtttcctt	180
ctgaggcatg	gcctagaagc	aggccttctg	aggaaagccg	taaacagtgc	ctctctgggg	240
tgggcctgct	gttggcagct	ttagtgtcat	ctggaagctt	gtttaatgca	aattctcagc	300
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<210> 22419

<211> 188

<212> DNA

<213> Homo sapiens

<400> 22419

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ttggtctaac	atcattttca	tagtctaaaa	taaacataaa	ataaacagca	agtaataagt	180
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<210> 22420

<211> 423

<212> DNA

<213> Homo sapiens

<400> 22420

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cttcaaccgt	aagttgggta	tattaatatc	cttacctcaa	aaggtcatga	tgattaagtg	180
agtbaatgca	tgtaaaatgc	cttctgtgcc	gggcagtcag	aaaccactca	ataaatattg	240
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agtgtgacaa	atgccaatcc	tgctcagga	catcttgac	ttgctgatcc	ttctgtctgg	360
aacatgcttc	acttgattc	ttttgtggct	tccactctcc	cctctgttgg	gcctgaaatg	420
cta						423

<210> 22421

<211> 350

<212> DNA

<213> Homo sapiens

<400> 22421

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 cgcgagasva ndgggacggg tgagaggaat gcttagcgga gacggactgg aggtgcmngg 180  
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 aggatcgctg gtctcgggga tacggatttt ggaggaaaag cagaataggg acaaaggctt 300  
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 <213> Homo sapiens

<400> 22422  
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<210> 22423  
 <211> 72  
 <212> DNA  
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 <213> Homo sapiens

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 ttgtggcaac atggatagaa cttgaggtca ctatcttaag tgaaataggc caggatatata 240  
 aagacaaata tcacatgttc ccacttacat gtggaaacta aaaaatggga aaacatggag 300  
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<210> 22426  
 <211> 71  
 <212> DNA  
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catgacccag t 71

<210> 22427  
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<212> DNA  
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ttgttgggat ttaaaaaatg gatgttagat atgacattga ctcagatctg tgtaacaaaa 180  
gaaaaagtgg ttttgaaact acttttagtca aaatagtaca gcagttgttt ttgtggaatc 240  
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<212> DNA  
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tgggaaatgc tatttccctt gtttgatgag tgatctgtgg gttcatcgcc tcgagcaaaag 180  
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gccc 304

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<212> DNA  
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aaaaagcctt aagaggaccg aagggwagga aaggaaaagg atggacaaca ca 112

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<212> DNA  
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ataagctgca tcttgatgcc ttcccctgtg tgcaaggaat atagaacccc gcaactgtaat 120  
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aacaatgc 188

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<212> DNA  
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tttctggtga gggccctctc cctggcttgc agacagccac attctcacgg cgtcctcacg 180  
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<212> DNA  
<213> Homo sapiens

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tctccacgtg cctacatttt cataacctaa tgccatttgt ctggatataa aactttccaa 180  
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<212> DNA  
<213> Homo sapiens

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gggaagaat attaga 376

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<211> 296  
<212> DNA  
<213> Homo sapiens

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acggtcacac agctcagcaa gtgggatttg aaatcgggtc tttgtaactc cagcttccca 240  
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<212> DNA  
<213> Homo sapiens

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tcaaaaatac aatgtattat taactatagt caacatgttg tacaagagat ctgttgaaat 180  
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<212> DNA  
<213> Homo sapiens

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<210> 22438  
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<212> DNA  
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gttacattgt aatcctttgt ctgtatgggt tgagcatcat tatatatttt gtatgtgtac 180  
ataaatagca aagtggcaaa aaaaattggt gttaagttca ccca 224

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<211> 342  
<212> DNA  
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<210> 22440  
<211> 192  
<212> DNA  
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<400> 22440



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gcagggtcga	tt					192

<210> 22441  
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 <212> DNA  
 <213> Homo sapiens

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ttcccagta	tasnttctgt	ccttgaaact	tgagtwcag	aggagca		167

<210> 22443  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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attgactttc	caggagcaag	gaaatcctgg	aatgcaggca	tgttggatgc	tatgacttcc	180
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
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gatagcttga	gccagaggag	tcgagacctg	cctgggcaat	atagcgagac	cccgttctcc		120
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 <212> DNA  
 <213> Homo sapiens

<400> 22447							
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tgtatagatt	ttaaaagt	tattttttac	atctatggta	gtttttgagg		tgccattat	180
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gccctctact	aaccactctc	aacctatggt	atttatcttt	tgattattct	gtgcatctat		180
aaaaatggga	ttatattgta	cagaatgctk	tdtaagcttt	ctctccccac	acg		233

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 <212> DNA  
 <213> Homo sapiens

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gcctaggtgg	taggagcttg	atctttgttt	ctgcccttac	ccctcagtag	tggggctgcg		180
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aatatgttct	atctaataca	tggggat					267

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 agaact 186

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 <211> 280  
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<400> 22451  
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 cctgccgtcc ctgttcggcg cccgggaccc tgccttcccc cgtggccgca ccgagacgag 180  
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 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 22452  
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 cggat 185

<210> 22453  
 <211> 129  
 <212> DNA  
 <213> Homo sapiens

<400> 22453  
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 aagcgggca 129

<210> 22454  
 <211> 169  
 <212> DNA  
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<400> 22454  
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<210> 22455  
 <211> 276  
 <212> DNA  
 <213> Homo sapiens



<212> DNA

<213> Homo sapiens

<400> 22460

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ccacggggga	cc					132

<210> 22461

<211> 404

<212> DNA

<213> Homo sapiens

<400> 22461

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cacttaggat	gattccatat	cttggtatt	gtgaataatg	gtgtacctaa	catgagagta	180
cagatacctc	tttgacatac	tgagtacatt	ccctttggat	atatactctg	tagtgagact	240
gttgggtgat	atggtagttt	tatttttaat	tgtatgagga	acctccatac	tgttttccac	300
aatggctata	ctaatttaca	ttgctaccaa	cagtgtgcaa	agggtccctt	tctccctaca	360
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<210> 22462

<211> 168

<212> DNA

<213> Homo sapiens

<400> 22462

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<210> 22463

<211> 241

<212> DNA

<213> Homo sapiens

<400> 22463

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tagtagttct	gcctaaattg	ggtgggtcta	gttttctggt	tacttaatca	ccttgacaca	180
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<210> 22464

<211> 367

<212> DNA

<213> Homo sapiens

<400> 22464

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ccgactctct	tctctcttgc	aagcccttcg	aaagtgcgat	ttctcaccct	acccttgcag	180
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ctaaagcctt gtgctgggtgc cagtagcaaa cccgtgcgcg tgctcgactt tgagcgatca 300  
 tggagctctg caaatagctc aactgcagar cgtgcccctt agagctcctg tgctgctggg 360  
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<210> 22465

<211> 345

<212> DNA

<213> Homo sapiens

<400> 22465

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 aagaaaatgt tagaggagaa aagagaaaaa tggaataaaa ggcagggaac tgtatgattc 180  
 ccttttagtcc cccccaaaat tcatattaac cctaaaaggg gaacatttgc ttaaggccat 240  
 cctcaccac ttatgggtcca agtcaaagac agacttagaa aaaatattct cagccactcc 300  
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<210> 22466

<211> 257

<212> DNA

<213> Homo sapiens

<400> 22466

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 gagtatattc acatagtggg attccttggt cataatgtgt acttaccttc aaattttggc 180  
 tggatgccat ggttcatgcc tgtaatccca gcactttggg atgccaagggt gagcagggtca 240  
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<210> 22467

<211> 183

<212> DNA

<213> Homo sapiens

<400> 22467

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<210> 22468

<211> 354

<212> DNA

<213> Homo sapiens

<400> 22468

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 aaaattatat ggtttatatt aaatgcgtac atattgacca atggcctctg aaaaagcaca 180  
 ttttagatac tgaaattgaa ggatagaaaa tgcactttca aacatttttt ggaatctcac 240  
 cacatatact ttgttagatt tgtgtattgt aggggtgtttg tttgtatttt ttgtattgta 300  
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<210> 22469

<211> 57  
<212> DNA  
<213> Homo sapiens

<400> 22469  
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<210> 22470  
<211> 407  
<212> DNA  
<213> Homo sapiens

<400> 22470  
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acgggtgacgg tgctggagtg gagatgctgc cctggcttca ccgggagcaa ctgtgatgag 240  
ggaacagggt cctgatccag acgccaagag aggattcttg gatttcacac aagaaacaat 300  
tcatagctca cctcagcttt gaactcctrr rctcgagaga tcctccttcc tcagcctcct 360  
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<211> 75  
<212> DNA  
<213> Homo sapiens

<400> 22471  
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aggaaaaaaaa aaaaa 75

<210> 22472  
<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 22472  
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ttcccagaag gctgtaatag ctttttttga tactaaggag tgcctg 106

<210> 22473  
<211> 243  
<212> DNA  
<213> Homo sapiens

<400> 22473  
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ccaggtcagg agttgaagac cagcctggcc acataacgaa accccatctc taccaaaaaat 180  
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ggt 243

<210> 22474  
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<212> DNA

<213> Homo sapiens

<400> 22474

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catctatgca	tatttcctgt	tggttccggt	tctctggaga	accctaatat	gggtaagttc	180
tgttatttsn	mccattttta	tcatggagaa	ggcggggtct	gagaacaatt	tgcttaaata	240
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<210> 22475

<211> 254

<212> DNA

<213> Homo sapiens

<400> 22475

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ctaccctac	cctgcctttt	tattttgaga	caggtcctga	ctttgtcacc	caggctggag	180
tgacgtggca	tgatcttggt	tcactgcaac	ctccaccttc	cgggttcaag	caatcctctc	240
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<210> 22476

<211> 334

<212> DNA

<213> Homo sapiens

<400> 22476

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tgcttgagat	aagagtgttt	caaggacttt	ctaaaataag	cccctaagaa	attccttcac	180
gtccttcaca	catctcatgc	ttttcgtgat	ctatatktta	tacataggca	catatttcta	240
ggaccagggt	tatcactaga	cattcttttag	gactacagca	attcagaaaa	gatactctca	300
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<210> 22477

<211> 226

<212> DNA

<213> Homo sapiens

<400> 22477

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attcatgaag	ttgaggttaag	ccttgtccca	attgtatttg	ctttccttaa	tgaaatttaa	180
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<210> 22478

<211> 395

<212> DNA

<213> Homo sapiens

<400> 22478

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aagaatgcca	gtgtgtgtgt	agcctccaca	gagaggctgt	tttctcgag	tccagagggg	120
ccgcctgagc	ttctgagaac	tagggaggag	ccatcccagc	catgagcccc	tgtgggaatc	180



tgctgggggc	caagtggcct	ggagtcctca	ggctcccgca	gctgctccgg	agggagaggt	240
gagctcaggg	cagcctgcct	gcagccagag	gtgccgggag	ccccgggcct	gtcatggtgg	300
ccatctacag	ccggcctgar	gcagtyacag	acggatttgc	agctgagcct	gtctatctgg	360
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<210> 22479

<211> 177

<212> DNA

<213> Homo sapiens

<400> 22479

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atttggaat	tcagagcatg	gtaccttccc	tcctcaacte	tttagtaggt	cccaccc	177

<210> 22480

<211> 358

<212> DNA

<213> Homo sapiens

<400> 22480

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cgcctcaagc	ccagctgctc	tacagactcg	tcgttcaccc	ggacgccggt	gcccaccgtg	120
tctctcgcgt	cccgsagctg	cctgtctcgt	cgtggcaggt	caccgagccg	tcaagcaaga	180
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ataaagtcaa	acaggagcct	gtgattacgg	ttgcgccagt	agaggaaatg	ctttttcakg	300
gcttcagtgc	agagcactat	tttccggttt	cccatttcac	catgatctca	cgtacgan	358

<210> 22481

<211> 137

<212> DNA

<213> Homo sapiens

<400> 22481

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ggasacccgg	gacagga					137

<210> 22482

<211> 164

<212> DNA

<213> Homo sapiens

<400> 22482

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ccctgccgcc	gctgccaccg	aagaagcatc	ccagacaccg	ggaagatgga	agatggtacc	120
ccaaagcata	tcattccagat	gacaggattt	aagatggaag	aaaa		164

<210> 22483

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22483

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<210> 22484  
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gctgccgctc	ctccaaaagc	gaccta				146

<210> 22485  
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 <212> DNA  
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<400> 22485						
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ggcgggactc	tgttccgcgg	ccccgggctt	ctgtccacac	catgcttctt	ttgaaacatg	180
gagctacata	agcctaagaa	ttgagcctgt	cattgtgaaa	taatcctcca	ctgaagacca	240
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gtracagata	tctgtggagt	aaattcaatg	tgtcagatgc	tggcta		406

<210> 22486  
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 <212> DNA  
 <213> Homo sapiens

<400> 22486						
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gttttcta	atctgttaag	tccatttggt	ccagggtata	gtttaaatcc	attgtttctt	180
tgttgtcttt	ctgtcttgat	gacctgtcta	gtgca			215

<210> 22487  
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 <212> DNA  
 <213> Homo sapiens

<400> 22487						
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cgactcgga	aacc					134

<210> 22488  
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 <212> DNA  
 <213> Homo sapiens

<400> 22488  
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 ctttggtcttc agaggggctg tccacacacc tggccaaact gtcctcaca gccacctttc 180  
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 acca 244

<210> 22489  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<400> 22489  
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 ccagac 126

<210> 22490  
 <211> 370  
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 agctaagcca 370

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 accaacattc ttagctcaca agctgcacaa acactagcag tgggctagat ttggccatga 180  
 gccaacccct ctaccctaga ctattggcaa agatcaagaa gtatgatagc agaggaaaaa 240  
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 <211> 314  
 <212> DNA  
 <213> Homo sapiens

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 aatcttcaga cagacaatgt cttacgaaga aaatattttg gaaggatttt aagtaaaacc 180  
 caaaactttt atttgcatac acttgcatac tgtcagccta gaagacaaac tcagcactgt 240

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<210> 22493

<211> 328

<212> DNA

<213> Homo sapiens

<400> 22493

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caacgtaggg	cctaaaggaa	acctttctta	aagacaggct	gaaacccctt	caaaggcaga	180
tgaggaggta	cagacacgtg	accttttggt	gcacactgga	gctacttgga	caagaccagc	240
atgccttgct	gcacgtgtgt	gtatttcaact	gctgagaaca	tcctttaact	tggtgtgcaa	300
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<210> 22494

<211> 255

<212> DNA

<213> Homo sapiens

<400> 22494

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aagggtgttaa	agaaaactga	attaaaccca	aaattatggt	ttcatgggtct	cttctctgag	180
gattgagggt	tacaaaggg	gttagcagat	gcgaagtaaa	gaacgtcact	ttgaaaccca	240
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<210> 22495

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22495

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<210> 22496

<211> 366

<212> DNA

<213> Homo sapiens

<400> 22496

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gttagatatt	tttatcattc	taaattttct	ggacaagagt	atgcccttcc	agttgatttt	180
tgctgcatta	atacaacttg	ttagagaaa	aggaagatag	cagtcacatc	accaatacca	240
cacactttgt	ggatgtctcc	ttacatgaca	cttccagtta	gggaaatctg	ctagagaaac	300
caacctaattg	ggtcacacat	actctgatat	atgagcagaa	ccaaaaatgt	aagcattttc	360
gccatt						366

<210> 22497

<211> 292

<212> DNA

<213> Homo sapiens

<400> 22497

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ctgactccag	agctggcccc	ggtgcagatt	aagggttgagg	aagacttttg	ctttgaagca	180
gatgaggccc	tggattccag	tygggtttct	cggggtccat	acaaactgct	gccctacccg	240
accctggcca	gccagcctc	tgactgacgc	atgcccaata	aaccgacccc	aa	292

<210> 22498

<211> 233

<212> DNA

<213> Homo sapiens

<400> 22498

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ctttgaatgc	tactttgggc	tacaaaccaa	agggatacag	gacagcacc	ttaagattct	120
tagaagctct	ttcgcttggt	cagagggctc	gaggctctta	caaagtgttt	tacagccacg	180
cccttggttt	gatcttgacc	ctaaggtcac	atcttactgc	cagtgccctg	aac	233

<210> 22499

<211> 415

<212> DNA

<213> Homo sapiens

<400> 22499

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tgtgaaagag	tcttttgtaa	gcttctagta	aataggaatt	gtacctctct	ttacctgac	180
tcacaagggtg	cccagggtag	catggtacat	gtgcttgtgc	ctaaaaagta	gctttggatg	240
atggttggtat	ttgaaaggct	cgcttctcat	atgtgcggat	gaaatatctt	ttcttttcct	300
ggttagtgg	ttttgttgga	agctggatta	tatatgtgca	gtattctacc	tatacagaat	360
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<210> 22500

<211> 111

<212> DNA

<213> Homo sapiens

<400> 22500

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aaaaaagatc	tgaagcaaat	gtaacatcaa	gataggaaga	agtgggtgtc	a	111

<210> 22501

<211> 317

<212> DNA

<213> Homo sapiens

<400> 22501

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tcacttacca	gcctcctcac	cccctcctcc	accatttcct	taatgttcca	tggtattttc	180
aacggaatac	actttgaaag	gtaaaaacaa	ttcaaaaagta	tcgattatca	taaattcaca	240

aaatattttt gcaaccagaa cacaaaagca ggctagtcag ctaaggtaaa tttcattttc 300  
aaacgagagg gaaacat 317

<210> 22502  
<211> 84  
<212> DNA  
<213> Homo sapiens

<400> 22502  
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catcccgcag cgccccgccc cgca 84

<210> 22503  
<211> 319  
<212> DNA  
<213> Homo sapiens

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tctcacatgt ttttcagatt ccaataatag aaagagctct ttgtcacctt cacaaaactt 180  
gctttcttag gatattaaag gatatacgag atacaatgta ctttaagtaa atgaccatca 240  
tctcaccttc caaagaccag gttgagtgtc aaatatatgg ttctgtctgt ctttctatct 300  
tcttactttt ccccaccca 319

<210> 22504  
<211> 399  
<212> DNA  
<213> Homo sapiens

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agaccctgag attttatttg gcgtctctga gctcttgatt tcttttatta aatgttggct 180  
gcgtggaata cttagagtgc tgtagtggtc ttttgagagt gattgagcaa gtcctgtaat 240  
attactttgc aactgggtact ttgggtgttt acatagtaaa attaatggtt catcaaatgt 300  
aagaggaaat ttactttgca tatgggcaat gagcccatca tccattttta ataacagaga 360  
gagtatcagt aaatgctggt tcagaaaata atctacatt 399

<210> 22505  
<211> 288  
<212> DNA  
<213> Homo sapiens

<400> 22505  
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caaaggaggt gcccttagtt gatgtctgtc atcctacaca ggtgggggtc tttatttcat 180  
ggccagggct ctcaaaggct tctttttggc cacaatgaga gaaatctggg ggtgagttag 240  
tgtcctccca ggtaaattaa tgggtgggtc gtaaataacc agaggccc 288

<210> 22506  
<211> 268  
<212> DNA

<213> Homo sapiens

<400> 22506

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tttattttaga cacggagtct cactctgttg ccaggctaga gtacagtggc atgatcctgg	180
ctcactgcaa cctctgcctc gggttcaagt gattctcctg cctcagcatc ccaagtaggt	240
gggactacag gtgtgcgcca ccccgtec	268

<210> 22507

<211> 147

<212> DNA

<213> Homo sapiens

<400> 22507

acatccatgt gggagaaagt ctgagtgaac aaatatgttg cctctctgtg gttaaagtacc	60
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<210> 22508

<211> 276

<212> DNA

<213> Homo sapiens

<400> 22508

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gtatgtgtac aggaatttat ccatttcttc tagcttttct tgtttatttg tatagagatg	180
tttatagtat tctctgattg tagtttgtat ttctgtggga tcagtgggtga tatccccctt	240
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<210> 22509

<211> 274

<212> DNA

<213> Homo sapiens

<400> 22509

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ggacacaaat ctacacaggaa ctatagcact ttggaaaagc atcaaagtag aaaagaaata	180
cagtgcaatt ctattatgag aatgttttac atttaaactg gtttagcacc ttttaagttt	240
aaagcccata gcttcttatt actagtgacc taag	274

<210> 22510

<211> 150

<212> DNA

<213> Homo sapiens

<400> 22510

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tctggattcc aatggacctt tcaaaaccac aacaaaacct cagttttaga tgagttctct	120
atgtgaccaa ttttactgga tgcaattgac	150

<210> 22511

<211> 63  
 <212> DNA  
 <213> Homo sapiens

<400> 22511  
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 gga 63

<210> 22512  
 <211> 142  
 <212> DNA  
 <213> Homo sapiens

<400> 22512  
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 aattaaaaca tttttcaggg ac 142

<210> 22513  
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<400> 22513  
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 ttcaacaaga ctgtggagc 139

<210> 22514  
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 <213> Homo sapiens

<400> 22514  
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 aacctggcaa gttcatggca ggctgtaatt ggatgctggt ctccctccac acttgactcc 120  
 tacagtctga tttctacaca gcacccaaag tgatctctta aaaatacaca tgtgatcttg 180  
 tcaacttcca gcaccaaact ctacagtga tttccatctt agaacaaaat tcagactcct 240  
 taccatggcc accaagaccc tacacaatct ggcctccaa tttccttttc caaggtcacc 300  
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<210> 22515  
 <211> 76  
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<400> 22515  
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 ttatggaagc ctatat 76

<210> 22516  
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 <212> DNA  
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<400> 22516  
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<210> 22517

<211> 269

<212> DNA

<213> Homo sapiens

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 cttcagccta acgtgtcttg aataggtctt tggctctgtgc ttataatcag gttagtagtc 180  
 ctgtcgtttt tccctcctcc aataaatctt tcatatttta aaggaagagc agcttccttg 240  
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<210> 22518

<211> 237

<212> DNA

<213> Homo sapiens

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 aaagaagaca tttatgcaat caaaagacgc atgaaaaaaa tgctcatcat cactggccat 180  
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<210> 22519

<211> 212

<212> DNA

<213> Homo sapiens

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 gaatgtatat ttaaggagat attgacttaa agcatttcac gtctgcaaaa agatataaat 180  
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<210> 22520

<211> 172

<212> DNA

<213> Homo sapiens

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<210> 22521

<211> 314

<212> DNA

<213> Homo sapiens

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aagcttgact gtgctagagt gtctgcttca cttacatggc tggaaagttg gtgctgattg 120  
cggaagcca cagtttcttc acaaataagac tcttctctcag gactgcttga gtatccttac 180  
aacatggcag ttgatgtccc ctagagcagt caatctaaga cagagaaagg tggaaccctc 240  
aatgtatttt ataatctagc tccagaagtc atacaccatc atttccacag tattctgwtg 300  
gtaatacagg cgg 314

<210> 22522  
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<212> DNA  
<213> Homo sapiens

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ctagttttca ggggaagata tttctttttt caccataggc ctgaaagcgc tccaaatgtc 180  
cacatccaga tactacaaaa agagtgtttc aaacctgctc tatgaaaggg aatgttcaac 240  
tctgtgactt gaatgcaaac aca 263

<210> 22523  
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<212> DNA  
<213> Homo sapiens

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<210> 22524  
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<212> DNA  
<213> Homo sapiens

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tgggttctga atcactcctt ctgtattagg gcatac 276

<210> 22525  
<211> 406  
<212> DNA  
<213> Homo sapiens

<400> 22525  
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aagaatgacc agcatgttct aaacaaaaat taccaggat tatgatctct tgatacacat 120  
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tctatagcat	aggaggctgc	ttagacacct	aacagattgc	atatttttct	ctggtaatga	240
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acaatgcaag	atattgagat	gctttcatac	atgaacatat	accactgtct	ttggggaaac	360
aagggttttt	ttcactaagc	atttaaaatg	cacantggcc	caaaat		406

<210> 22526  
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 <212> DNA  
 <213> Homo sapiens

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acagcttgaa	tatttgctat	atagaaatat	agtatggaaa	gtttttggtc	ttaatgtagc	180
tactgtgcgg	gtcacagttt	ctcccaatga	ttatgactgg	gacattcttt	ggtagatacc	240
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<210> 22527  
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 <213> Homo sapiens

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ttataggcct	tcagtagata	ctgcttaa	gaataaatgt	atatatgatg	aaactgtaag	180
aataagtaag	aacagagagc	cggac				205

<210> 22528  
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 <212> DNA  
 <213> Homo sapiens

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agaattaata	ttgttaaaat	tcctacacta	cccaaagctt	tctacagtca	atgcaatctt	180
tatcaaaaca	ccagtgcacat	tttttacaga	aattggaacc	acaaaagagc	ttgaagaccc	240
aaaataatgt	tgagcaaa					258

<210> 22529  
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 <212> DNA  
 <213> Homo sapiens

<400> 22529						
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gtttttaa	atcagctctt	aatatgtttg	agctgcaata	ttcctatccc	cagttctcgt	120
gtgcttttat	gccccctc					138

<210> 22530  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

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 tgggcacttc gcattcattt tctcaccac 329

<210> 22531  
 <211> 158  
 <212> DNA  
 <213> Homo sapiens

<400> 22531  
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 aaaataacag tgcaaaagag gtcacgccac tgcactccag cctgggacgac agagcgagac 120  
 tccgtctcaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 158

<210> 22532  
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 <212> DNA  
 <213> Homo sapiens

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 cttttttctt accagcctcc ccccaatgag gtaagaccgt tttcaacaat ttgctaattgc 180  
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 gtgtgtgtgt gtgtgtgck 259

<210> 22533  
 <211> 307  
 <212> DNA  
 <213> Homo sapiens

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 aacaccagaa gtttgaatca gaggtctgag tgacctctt tgtggctgtt cttgatgggt 300  
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 <211> 180  
 <212> DNA  
 <213> Homo sapiens

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<211> 279

<212> DNA

<213> Homo sapiens

<400> 22535

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gctgactcag	attatcagtt	tgctggcaat	ttgcttttaa	gtcrctatg	gaattagaga	180
catcaatcta	tgcacaatgt	tgccaccttc	tgctgaacac	tttacatctt	tgaaaagatc	240
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<211> 235

<212> DNA

<213> Homo sapiens

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gctggaggat	tccctctgaa	tgattaagaa	ctccgcaatt	cgctctgcc	acaggctgca	180
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<210> 22537

<211> 394

<212> DNA

<213> Homo sapiens

<400> 22537

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tcgtttcaga	ttatttgtac	gaaggacagg	gtccctcttg	tgttccatct	atcgtgactt	300
aattttggcat	ttattgcctc	cttatccttg	ttttactttg	taattttgct	cagaggtcat	360
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<210> 22538

<211> 452

<212> DNA

<213> Homo sapiens

<400> 22538

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ttcttctccc	agacaggaaa	aaccatttgt	ttctggaacc	tgacactgca	gggggtgggc	180
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atgtttttga	cacctagacc	attccactca	gtgaaacca	acagggtggc	aggctgttgc	360
tttagctgga	agcggggcaa	cctccccgcc	ctgccctggt	cagttttattg	ttggaatgag	420
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<210> 22539

<211> 151

<212> DNA

<213> Homo sapiens

<400> 22539

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atcttggaag cagagactgt gccctcacca gatgctgaac ctgctgagca ccctgatctt	120
ccacttcacc ttcattcagaa ctactggggt c	151

<210> 22540

<211> 463

<212> DNA

<213> Homo sapiens

<400> 22540

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tgggcgcttaa gacaagtttc aagaaataag aattgaaaag tgttgaggga aagaaagttt	180
ccatctctaa ccactttctc agaaggcat cagggttttt gcagcaatgt ggggatacct	240
cttctgatct catagcttag ggctctgaac taaactgatg gccttttcta gatttcttcc	300
taggggtgtc aggttggaag tgctgaggga ctgctctttc tccccagggc tcagctgtgt	360
caaggctaag accaggagt gttcccacag ccaggctggg tgagggcaag tttatcctgc	420
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<210> 22541

<211> 229

<212> DNA

<213> Homo sapiens

<400> 22541

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aactgctgct tagtttcatt aaggatatagg tgacttttac tctattagga atatgggggt	180
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<210> 22542

<211> 422

<212> DNA

<213> Homo sapiens

<400> 22542

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atttttaaaaa taccttcaca gcaatgtcta ggctgtgaag acattgccta gatatgttga	180
aacatagaat taaccattat actaacatat tctacagcag tatggagtga aggggcaagc	240
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tcaggccatg caagatatatt ggcttttatt tgagaatgat gagaagctag tggaggctct	360
gcacagaaaa tagtgabgac tgacttcact aggcttgagc tgggaacagg tcagctggat	420
ac	422

<210> 22543

<211> 338

<212> DNA

<213> Homo sapiens

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gcatgccaac ataactgaag gcctatTTta ataaagatat ctcatgtaga gattatgctg 120  
aagtatctga tttataagct ctttaactgt ctcaaggaag tttcctcaat atctggaaat 180  
tatagcaagt taatgggcat agacaagaaa aattaggctg aacttatact caaatttgga 240  
aaatgtacca aaatgacaac atgtattTTta gcccttaaaa taatgTTtac acatattTTta 300  
atatgctaga taatatgctg atttataacc tggctcct 338

<210> 22544  
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<212> DNA  
<213> Homo sapiens

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agccagggtg ag 132

<210> 22545  
<211> 433  
<212> DNA  
<213> Homo sapiens

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cacgatcatc tgagatcaat atgagcacia aactcatcaa gtaggtctgc vtggaatgta 180  
tataaaaaat gtaaataaaa atttgtaaata tagtgtgaac tgtatcttgc atatgagact 240  
gtgtattgtt ttgcattctc ttcccttttg tagaaatttt tctgtaagga aatgattcag 300  
cttgttgggt ttagagtaaa aatagccaac agttgtggct acacagttag atcacaggaa 360  
ctggaaatag ggtttgtcgg ctttggttaa tgtcagtact catttattta gcctctcagt 420  
gcttaataag act 433

<210> 22546  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 22546  
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cacacaaaat atatattaca ctattagata tagtcattga acttgtaatc atactccgtg 120  
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<210> 22547  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 22547  
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ggccctcatg aaaggctcag tggcctgata agaagaaaca ccagagagct tgctctgttt 180  
ctctgcctac ctggcgca caacagaag aggtgatatg accacacagc aacatgggtg 240  
ccaccagcaa gctaggagag ggatcagaat gaaacctatt ttgctggcac cttgatcttg 300

aaattctagc ctccagaact gtgagaaata aaattctttt attgaagcsa cccagcctat 360  
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<210> 22548  
 <211> 425  
 <212> DNA  
 <213> Homo sapiens

<400> 22548  
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 gcttgtaggc tagtgaaata gtgaaaggac tagagttttc ctttaactgg aagaattatt 180  
 actgcttaac atacacacat ttaataccga ttggtttgct atggaggaat aactgagaaa 240  
 ccaaattgcac tgagtagagt ttatatgaat gtttcaacac agctgctctt acatgadnda 300  
 tattttttta atgcctagca aaaatccatt ataaggcttc aaaggattaa acatcactca 360  
 ggattgacac ggtactcagc tgtggctgga ggcagcaact ttgcagtggg caattttatc 420  
 ttttt 425

<210> 22549  
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 <212> DNA  
 <213> Homo sapiens

<400> 22549  
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 ctctgccatt gtagagtgaaggagtcata aacgatacat aaatagtggg catggctgtg 180  
 ccattcctaaa atttggttta taaaaacaag tttgagggct ggattttggct tcatgggact 240  
 kagtttgtca acccctgggt taagtcctct tctaagcatt ttatatgcat ttaccagtt 300  
 aatcttctact ataaacgttt gaagttggca ctgttattat tctcacttta cagataagca 360  
 tgttattgct tagagagaaa ttataagaaa cttgctcaaa gtcccacagc taaaaagtga 420  
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<210> 22550  
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 <212> DNA  
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 tctcgggtat gtctttatca gcagtgtgaa aacagactaa tacaacgact tacagattat 180  
 gaagaaataa tgttttgtac aaggtgat 208

<210> 22551  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

<400> 22551  
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 atccagtgtt tccgggcgtg gtgtttctca actttttttt aatcaccttc ctaaggaaac 120  
 ttttttagacc tttttttccc cctaattgtac ctgccctatg acatattaac actgagataa 180

004220 " 5562560



actctgtatc tttttatgta ccatgtctgt gctttataca taagagtaag tgtacaattt 240  
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<210> 22552

<211> 130

<212> DNA

<213> Homo sapiens

<400> 22552

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<210> 22553

<211> 468

<212> DNA

<213> Homo sapiens

<400> 22553

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tagaaacatg tctcctaata cagataggct atccctgttc ccatactgct ttgcacatag 180  
caggatcaca gtatttaatg aatgaatgaa tgagtgaatg aatggatatca ccagcctccg 240  
gacttcagag gcttccttag ctctgtggt ttgtttgtt attttgagac acagtgtcac 300  
tctgtcacc agactagagt gcagtggat gatcttggt cactgcaacc tctgcctcca 360  
agattcaagc cattcacgtg cttcagcctc ctgaatagct ggaattacag gtgcctgcca 420  
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<210> 22554

<211> 220

<212> DNA

<213> Homo sapiens

<400> 22554

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cttgtagtct ggttctgaat taagagagga aaaaaagta attatgatac attgtagttt 180  
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<210> 22555

<211> 246

<212> DNA

<213> Homo sapiens

<400> 22555

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acccacgtct caccacac aaaaataact caaacggat cctggacttc aacgtaaagc 120  
ataagacaat caaccttcag gccaggcat ggtggccac atctgtaatc ccagcacttt 180  
gggaggccaa ggtgggcaga ttgcttgacc tcaggagttt gagaccagcc tgagcaacgt 240  
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<210> 22556

<211> 294

<212> DNA

<213> Homo sapiens

<400> 22556

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atgctgtatt tatcatctca agtacataga tcagtgtcta acatttagta ggattttagt	180
aaacattttt gagcttgaca gaaaggatta atttggatta atgaasccaa ccaaggtaa	240
gtaaaggctc agatacagcc atatatgcct ggkcttctaa acctcatagc tttta	294

<210> 22557

<211> 325

<212> DNA

<213> Homo sapiens

<400> 22557

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ggggagactt atgaatgcat tagagaagac aagggattcc gctttttctc agaacagggt	120
agccatcatc caccatttcc tgctgtcac tgtgaatcaa agaattttgt gttttggcaa	180
gatatcagat ggaaaaacaa gttctggggg aagtcgatgg aaatcctgcc tgttgaaca	240
ctgaatgtca tgcttccaaa gtatggagat tactatgtgt ggaataaagt caccacttgc	300
atacrcsaac atcctcagtg ggaga	325

<210> 22558

<211> 175

<212> DNA

<213> Homo sapiens

<400> 22558

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tttaaattaa ttagctttcc tctgctttat gaccacaggt tttatcccta accgagacag	120
ctgtcttata tctgcatgcc ttagactgtg tggagggact ccatgaagaa aagac	175

<210> 22559

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22559

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caggtatgcc cattttcagt ttcaatatag cctagaattg cagtacctag aggcagcagg	120
cttgcagagt acctgtttcc ctaccatctg gccgc	155

<210> 22560

<211> 207

<212> DNA

<213> Homo sapiens

<400> 22560

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gccagttcta agtttgggcc tttgtgagaa atgtgtcctc tgcttggcgt cagtcatgct	120
ctcatgtgaa cattcccttg aatttgcct gtttccagct catcctctgc taccttgatg	180
cattccagga ccacaatcat tgacaat	207

<210> 22561

<211> 253  
<212> DNA  
<213> Homo sapiens

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agagaaagca cttgacaaaa ttcaacatcc ttttatgact aaaaagtttc agagggggcgg 120  
ttccaagatg gccgaatagg aacagctcca gtctacagct cccagcatga gcagcgcaga 180  
agatgggtga tttctgcatt tccaactgag gtaccgggtt catctcactg gggcttgtca 240  
gacagtgggt gca 253

<210> 22562  
<211> 116  
<212> DNA  
<213> Homo sapiens

<400> 22562  
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<210> 22563  
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<212> DNA  
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ggggtcctta tttcacctac catactaagg aaatatcaaa gagtctggca cctaaccag 180  
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cgggagcc 248

<210> 22564  
<211> 413  
<212> DNA  
<213> Homo sapiens

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ccttcagatg gttgacctct ttcagttggg gactgcatta ctcatctaaa caattataga 180  
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<210> 22565  
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tttcttagct gttcaccac tgaaggacat ttgcttgctt ctagattttg gcaattatga	180
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ccccctcccc aattcctcgc actttattct cctgggtggg ttcgaactac cctgtttctc	180
agtggacca	189

<210> 22567  
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 <212> DNA  
 <213> Homo sapiens

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cagagtacct ccctgaagggt gtcctgggga aagtgtgggt tcagcacagc ggcaggtcac	120
cgttcaggaa ggacccttgt accgcacgga gggctccct	159

<210> 22568  
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 <212> DNA  
 <213> Homo sapiens

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tgtcmtgctt gccgacca	79

<210> 22569  
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 <213> Homo sapiens

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tccattcttc caaaacttga tgttaccaca cttacaagtt taaaatatga agtcgactgt	240
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cact	364

<210> 22570  
 <211> 359  
 <212> DNA  
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cgggtgcctc caacgttcat ggctgcctgt ctcatgggtta aacctcacat ttagttactt 300  
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<210> 22571  
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<212> DNA  
<213> Homo sapiens

<400> 22571  
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<210> 22572  
<211> 177  
<212> DNA  
<213> Homo sapiens

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<210> 22573  
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<212> DNA  
<213> Homo sapiens

<400> 22573  
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cccggcactt cgggagactg cggcgggagg ctcccttgag cccagagttt gagaccggcc 180  
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<210> 22574  
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<212> DNA  
<213> Homo sapiens

<400> 22574  
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<210> 22575  
<211> 137

<212> DNA

<213> Homo sapiens

<400> 22575

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<210> 22576

<211> 211

<212> DNA

<213> Homo sapiens

<400> 22576

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aagaccatga cttcattttt ttttgtggca gaatagtatt ccatgggtgta tgcatatgac	180
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<210> 22577

<211> 294

<212> DNA

<213> Homo sapiens

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actatcacaa tattaatttt aaaatgtgtt ttaatttgca taacagcaag aattatatgc	180
agaatctctc atgtkcaatg tagtatattt gacatataac gggatttcac atataacctt	240
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<210> 22578

<211> 261

<212> DNA

<213> Homo sapiens

<400> 22578

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tataatggga agcaataata ttgcatcctg ccttaccttc tatctagtgt atattttcct	180
aatcatagga gctggccttt ggatagcgat gccagtsctg ctcaaaccac acttcatctt	240
tttcttttag atacgatttt a	261

<210> 22579

<211> 218

<212> DNA

<213> Homo sapiens

<400> 22579

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ttcatctcca attccaaga cattcacgaa gatagacgca attcttagtc ataacacaca	120
tcttaacaaa tttcaaagaa tagacatcat ataatatgtg ctgtcagacc acaatggaat	180
gaaaccagaa atcagtaaca gaaagattaa aaggaaaag	218

<210> 22580  
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<212> DNA  
<213> Homo sapiens

<400> 22580  
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ctaaagcgtc cacctgtctg gaagccgccg ccaccaagct tttattaata tatccgttcc 180  
cgccgggttg gctatacaga tgcgaatcaa ctccgggggt ggggtgagga 230

<210> 22581  
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<212> DNA  
<213> Homo sapiens

<400> 22581  
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tgggtccagc tcttt 75

<210> 22582  
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<212> DNA  
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ctcagataga aactgactat catccaccct tcagctgctg agactggcag aaaatgctct 180  
ttgctgactt taagttgcag gctagatggg taggtgactt tagtcatagg tgcaggactc 240  
ctgctatgtg ccaagcaccg tgccaggaat ttacacagac attgtctcat ttcctcatcc 300  
accaagggag ggatgatgaa accttccata caggtatctc cttaggaccc aaggaaataa 360  
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gtaaaagtat gtattcatag aacatctagt atgac 456

<210> 22583  
<211> 316  
<212> DNA  
<213> Homo sapiens

<400> 22583  
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ccattacact atggaaccat gataaatagg tcattttcaa ctgatatgtc acaatgcaat 180  
atggatagaa tatgaatccc atacattcat ccctataact gcatttttaa atatagtcta 240  
aatatcatgg gaggaggtta aaacctgaga acatggkrca atwagrrggg ataatttttt 300  
atcyatatat aatttc 316

<210> 22584  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 22584

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atctttcatt	tttactccct	cggtttttat	gcgtgtacat	tgctttcttt	caaaagcatt	180
gcaaaaaaat	aagacataag	taagggttat	aagacagtct	caaaccaatt	gatttaatat	240
aaaatttcat	agcacataa					259

<210> 22585  
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 <213> Homo sapiens

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<210> 22586  
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 <212> DNA  
 <213> Homo sapiens

<400> 22586						
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 <213> Homo sapiens

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aa						122

<210> 22588  
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 <213> Homo sapiens

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ggttgcgctc	cgccccgcag	gctgcccc				88

<210> 22589  
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 <212> DNA  
 <213> Homo sapiens

<400> 22589						
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actaagtttt	tgaggatgtw	agtgttcttt	tcaaagaacc	ggttcgaaat	gtacttttct	180
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cgt 243

<210> 22590  
 <211> 102  
 <212> DNA  
 <213> Homo sapiens

<400> 22590  
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<210> 22591  
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 gtttcggtac cactcatgac ttaaaaaatgg gtcttacaat tctgagtgat tgaaaaaaaa 180  
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<210> 22592  
 <211> 389  
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 <213> Homo sapiens

<400> 22592  
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 ccccgaggc ccccgattgg ggcttgccaga cctggcccgt gggcggattt tctgcctagc 180  
 gcascgagaa gcagagggtg caggaaaacc aagagagggg cgctgggggt gcccaccccc 240  
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<210> 22593  
 <211> 261  
 <212> DNA  
 <213> Homo sapiens

<400> 22593  
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 acataggcat ttctctgaac tgcgcgccac cttttgagtg ccatctgttt ccgtccagga 180  
 ctctgataca actatccagt ccgctgcagg gaccggtcac tgcgtcacag gttctccaga 240  
 gggccagaac taacaggata a 261

<210> 22594  
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 <212> DNA  
 <213> Homo sapiens

<400> 22594

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tgtgaggggg	cattgaagtg	acgtttgcgg	tttttactgc	gggccgagag	tttcgctctt	180
gttccctggg	ctgcagtgca	gtggcaccat	ctcggtcac	cgcaacctcc	gcctcccaag	240
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gcasc						305

<210> 22595  
 <211> 305  
 <212> DNA  
 <213> Homo sapiens

<400> 22595						
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caaagacaat	ttgagaatct	tatgtgaagc	agaactaagc	tcttgagtt	agttatatgt	180
gatgacagaa	acagaattac	atggtttgaa	cagcatgggt	acagttatat	gtggattttc	240
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cccc						305

<210> 22596  
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 <212> DNA  
 <213> Homo sapiens

<400> 22596						
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agcattccat	gaaatctacc	ggaccaggtc	tgtaaagg	attccagtga		110

<210> 22597  
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 <212> DNA  
 <213> Homo sapiens

<400> 22597						
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<210> 22598  
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 <212> DNA  
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<400> 22598						
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caccgtggaa	gggcagcaaa	ggtgtttgct	aagtaaaaact	gagtggatga	gattggtatg	180
aaaatcatgg	ttgatctctg	agcgggatgt	tagtgtttaa	gatccacgga	gtcaggcgca	240
aaatgagcac	atttctctca	gtattcagaa	atgagtagat	gccg		284

<210> 22599  
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 <212> DNA

<213> Homo sapiens

<400> 22599

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gggcacgttt	acagccgcaa	gcaccagcgg	cagctgaagg	aggcttttga	gaggctcctg	180
ccccaggtgg	aggcggcccc	caaggccatc	cgcgcgcgtc	agggtggagcg	ctatgtgccc	240
gaacacgagc	gatgctgctg	gtgcctgtgc	tgcggctgtg	agggtgcggga	acacctgagc	300
catggaaacc	tgacgggtgct	gtacgggggg	ctgctggagc	atctggccag	cccagagcac	360
aagaaagcaa	caaa					374

<210> 22600

<211> 407

<212> DNA

<213> Homo sapiens

<400> 22600

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ggggagcacc	atgagttaag	ccttagtttt	tcaggaggta	gaactgctag	gatataaacg	180
tgtggttttg	caggatgaag	agatgcttgt	accccaatat	aacgcattct	tactgcaaat	240
aacaagtttt	ctggcaactt	cttcctggta	tctacagttg	attgtgtgtg	tgtgtgtgtg	300
tgaaaacgat	gattttttaga	tttactgtct	tgagggtagt	ttagcagtgg	tcctgaccat	360
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<210> 22601

<211> 145

<212> DNA

<213> Homo sapiens

<400> 22601

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acctgtaccc	tatgactttr	ctaaacacac	ttagaagttc	tagggcttta	ttttctagat	120
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<210> 22602

<211> 206

<212> DNA

<213> Homo sapiens

<400> 22602

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ttgtgactaa	aaccacaggtc	tctcggattc	caaagcttgt	gctcagaacc	cctgcagtgt	180
acaaagtacc	caaatagtg	ccatcc				206

<210> 22603

<211> 173

<212> DNA

<213> Homo sapiens

<400> 22603

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gagctactta	tcaaagatgg	taattttatc	cataaagcaa	ttgctaaatg	gaaatcagaa	120

aggtcagctg taattcactc caggggaatga agatgacaca ctaagtctgg cga 173

<210> 22604

<211> 343

<212> DNA

<213> Homo sapiens

<400> 22604

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acagaaagtc agcccaagag actcttccaa ggcaactacca atatgttata tccagatgcc	120
gcgcaactgt ctgatctcag ttcattggtgg tggtatcaag gagaagaaat tcctgccttg	180
accagatgtg tggagcatct acaaataaat gaatagttat ttacacacaa accactgtgt	240
acaaaagcgt ccatggagct gtcagtgtct cgagtggat tatgaggcct caggtgcctt	300
ggggtacatt gtcattgctat aagggatgta tatcataagg tat	343

<210> 22605

<211> 135

<212> DNA

<213> Homo sapiens

<400> 22605

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tcaacaaatt ggattctcct gatcccttta aactgaatga tccatttcag cttttccag	120
gcaacgatag ccctg	135

<210> 22606

<211> 138

<212> DNA

<213> Homo sapiens

<400> 22606

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ctgactctcc acccttaacc ctggtaattt aatcttttct cagggtttta aaaaccatgc	120
atatgcctat gagttccc	138

<210> 22607

<211> 176

<212> DNA

<213> Homo sapiens

<400> 22607

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ctgaagcttc ttgccagggt ggctggtgac acccggtgtg gctgggcccc gcggcassaa	120
gggacctgcc cgccttgtgg gtttctcggc cagagtcggc ggascctagcg ggacat	176

<210> 22608

<211> 105

<212> DNA

<213> Homo sapiens

<400> 22608

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<210> 22609

<211> 291

<212> DNA

<213> Homo sapiens

<400> 22609

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cagagtctcg	ctgtattgcc	caggctgggc	tcagactcaa	gtggtccttc	tgccttggtc	180
ttccaaagtg	ctgggattac	aggcttaaac	cacagtgcc	aacctataaa	acttttaaat	240
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<210> 22610

<211> 426

<212> DNA

<213> Homo sapiens

<400> 22610

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ctggaacggt	ttaacagact	ctcagggtga	attttgagg	actagaagga	taaaatcccc	180
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aaagctgact	ttgaaatcat	taaacaaata	tgtaggactg	tctctgcctg	ttggcattca	360
gttatagtgc	tgtaattttt	ggcttgggat	ggtctccatg	tgcttttttc	tgcttattta	420
taggtt						426

<210> 22611

<211> 147

<212> DNA

<213> Homo sapiens

<400> 22611

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<210> 22612

<211> 433

<212> DNA

<213> Homo sapiens

<400> 22612

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ctgacttttg	tcaaacaatt	aaaaatgaga	ccgaggtttt	cctctagaca	taaacaagtt	180
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ctactaaaat	acaaaagtta	tctaggtgtg	gtggtgaatg	cctgtaatcc	cagccactcg	420
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<210> 22613

<211> 190

<212> DNA

<213> Homo sapiens

<400> 22613

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gattgagtta	ttatcattga	tccatacaaa	gtccctctct	cattttatttt	ctttcattcc	180
caccctccaa						190

<210> 22614

<211> 200

<212> DNA

<213> Homo sapiens

<400> 22614

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acttcaacta	tcattttgaa	ggagttgtca	tggccttaac	tgctgtcttc	ccctccttct	180
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<210> 22615

<211> 360

<212> DNA

<213> Homo sapiens

<400> 22615

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tgggcctctc	aaagtgtctg	gattacaggc	gtgastaccg	cgcccggccc	gagacccctt	180
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ctaagctctc	acctctactt	tagcctcttc	cttacttaga	cttgtgttat	gggcttcctc	300
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<210> 22616

<211> 253

<212> DNA

<213> Homo sapiens

<400> 22616

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ttggtaatat	tctcttgaat	atacatttac	ctatttaaaa	ggtatgattt	tcccatattt	180
ccttaggaag	tatgtcatgt	caatatagat	atttactcat	taggtttaca	ttaatttgta	240
ttataaggga	aac					253

<210> 22617

<211> 339

<212> DNA

<213> Homo sapiens

<400> 22617

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gtcaggagtt	catattaaaa	ttacattgac	ataaaaataag	tctctgagtg	tttcttctcc	180

atcttctgaa	ataacttttg	aagacatata	taatttcatt	aaaattgtca	gtgtgaggaa	240
aaacattctg	aattttctaaa	ccacttaaga	catggataag	catatggaaa	attatacctg	300
gttatgagac	cttcccaaca	caaatagaat	gcagcaaca			339

<210> 22618  
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 <212> DNA  
 <213> Homo sapiens

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ggtaggttca ggggtttcaaa tgatgccag agggckttct ttctctctca gttt	174

<210> 22619  
 <211> 278  
 <212> DNA  
 <213> Homo sapiens

<400> 22619	
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<210> 22620  
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 <212> DNA  
 <213> Homo sapiens

<400> 22620	
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acacacgcac acgcrcacac acwcacacac acacacacac acacaaatcc cagtgtcttt	120
ttatgcatgt ggtgagatga aattgtgac tttgtgt	157

<210> 22621  
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<400> 22621	
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agatcagaca tggcccagaa cttgarggac ttggcgggac ggctgcccgc cgggccccgc	180
ggmatgggma cggccctgaa gctgttgctg ggggccggcg ccgtggc	227

<210> 22622  
 <211> 68  
 <212> DNA  
 <213> Homo sapiens

<400> 22622	
gagtatcaag ggtgccttca tagacatttc tttgtctgtg tattttcctc aaattccagc	60

tgccaaag 68

<210> 22623  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 22623  
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gttggcccca aaatgattgt caaagttctg ttcacttaaa ttcactgtaa ttagtaagaa 120  
tagttatcat ttattttggg tgccttcaaa gtagactgtg ctaggcaaca atttctcttg 180  
ataatctcac aatagccttg gcatttgaag aaactttggc ctagaaacat ttatgcccc 240  
aa 242

<210> 22624  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 22624  
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ggcaaagaga tcagggaata tctgtcattt tttaaagtgg agaactctca cagcctgttt 120  
gtatgctgat gggaatgatg gagaggg 147

<210> 22625  
<211> 122  
<212> DNA  
<213> Homo sapiens

<400> 22625  
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cgagatgaca agagccagaa acaccatttt gaaaagtggc aactgaggcc ccttgccgg 120  
ca 122

<210> 22626  
<211> 326  
<212> DNA  
<213> Homo sapiens

<400> 22626  
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tagacagcat cctgggcagc aagtggagtg agaccctgga taagcacctg gcagtgactc 180  
acctcaccga ggaggtgggt cagctgttgc agcactgcac caaggaggag tttgagcgga 240  
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tctgattatt ctgcatgccc agagat 326

<210> 22627  
<211> 276  
<212> DNA  
<213> Homo sapiens

<400> 22627  
gttagcaaag tatttagcac aggaaagatc ttataaaatg aaataatgca tgtaatgatg 60



cattttccaa	gtagatgatt	ttacaaaacc	gtaagctttt	atgcctgtcc	ttcatttgtt	120
ctttttctgcc	tctttcagge	gaactgtgat	gaagagcctt	atacttagga	agacacaact	180
acctttgaac	agtcctttgt	gaaatctaata	gatcgcaacg	aacgaaataa	accagaacat	240
cgttcttcaa	gccaaaggacc	cttgtcatcc	attaga			276

<210> 22628  
 <211> 316  
 <212> DNA  
 <213> Homo sapiens

<400> 22628						
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ctccatagta	tggtgaaata	gcaggtgcgt	cttctagttt	attcctcctg	gggacatttc	180
ctcaaagcag	ttttgcgccc	ccgcaaggga	atggtcagcc	taagggtaat	gtacagcccg	240
tgcttggaga	accatggaag	ctacaccct	acaggtgcat	actgttctgc	ttttccaata	300
aatacgaagc	gcgaag					316

<210> 22629  
 <211> 83  
 <212> DNA  
 <213> Homo sapiens

<400> 22629						
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cagctggctc	tccacatgct	cac				83

<210> 22630  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 22630						
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cggagagcac	ccgcccggtc	tacctcaaga	agctgaagaa	gcttcgagag	gaagagcagc	180
aacagcaccg	gtcagggggc	cgcggaaca	agacgcggaa	caga		224

<210> 22631  
 <211> 328  
 <212> DNA  
 <213> Homo sapiens

<400> 22631						
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atatttttaa	aagcactata	tacttacagg	aaaaaccgac	ttatgccttc	attgaaaaaa	180
tggtgaagtt	aatatcccaa	atgtttaatg	agcatgtttt	agaatattta	cagctaaagt	240
ctgtcacttt	agggatattga	caaaacttga	gactgcctgc	caccgaagag	ggaccaggca	300
gaatsttctc	agccttgtaa	ccagctgt				328

<210> 22632  
 <211> 197  
 <212> DNA

<213> Homo sapiens

<400> 22632

acactgccag	gagatcctgg	gaagctaggt	cacttccttg	agcctcagca	tccttatctg	60
caaaatagaa	attgctaata	gactaaaagg	caattctgaa	agatggatga	gaaaggaata	120
taatgactca	gggtagagcc	tgcaaaacaa	tatgggatga	gaagatgcag	ggactgggtt	180
catggagaga	gcaggta					197

<210> 22633

<211> 122

<212> DNA

<213> Homo sapiens

<400> 22633

aatagacata	aaatatgagc	tatatcacc	aagctacaat	ttaaaataca	acaatctata	60
aacgcttaag	tctgcaacct	tgtatcggtt	catgcagtc	ttctttgtcc	tgccaggcta	120
ca						122

<210> 22634

<211> 177

<212> DNA

<213> Homo sapiens

<400> 22634

tatgattctg	actgtactgc	tcattctact	tcacccacac	ctacttctcc	actggagttt	60
cctattkgcc	attattataa	acatctatct	acctccttcc	tcaggccaca	taccaggagg	120
tcattcttaa	ttcctccctc	ttcctaaaac	atacatttct	tcctaacatg	tgccgaa	177

<210> 22635

<211> 135

<212> DNA

<213> Homo sapiens

<400> 22635

gaattaaggc	tttgtaggta	acctgaaatt	atttcatagc	acatacaaca	actataatta	60
atgaaatatg	cgtgtaattt	aaaaatagaa	ttaaaacttc	ataaatttct	taacattttc	120
ctttgagact	tcgcc					135

<210> 22636

<211> 317

<212> DNA

<213> Homo sapiens

<400> 22636

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tttaaatgga	cagagaaaaa	taactgtctt	gtcggttaact	cgtaagtggc	ttacctggga	120
ctaacagaca	tgtccaactt	tctctccagt	tcttagctca	gaactttagt	tgtactctgc	180
ttgaggggaa	gaaggctcct	gctctgctgt	gtaggtagtc	ataggaattg	tattcttaat	240
gtacaggcac	taattgtcat	ctgtgatgta	cattttatgc	aagtttctgc	tggcctggta	300
tagagaacat	aagggt					317

<210> 22637

<211> 375

<212> DNA

<213> Homo sapiens

<400> 22637

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tttttatttt	ttattttatt	ttattttttt	gagagggagt	cttgctctgg	tgcccaggct	180
ggagtgtgt	ggtgccatct	cagctcactg	tagcttctgc	ctcccagggt	ccagcgattc	240
tccttcctta	gcctcccggg	tagctgggat	tacaggcatg	tgtcaccaca	cccagcaaat	300
ttttgtattt	ttagcagaga	tgggattttg	ccatgttggc	caggctgggc	tcgasctccc	360
gamctcaggt	gatcc					375

<210> 22638

<211> 122

<212> DNA

<213> Homo sapiens

<400> 22638

cgcgtgtgct	gcagctgacc	cggcgaaggg	agccgaccgg	gccctgggct	ggaggtaaaa	60
ccccacggaa	agaacatgag	gttcccttgg	aaatcattca	agaggaagat	ggaaggggcg	120
ca						122

<210> 22639

<211> 191

<212> DNA

<213> Homo sapiens

<400> 22639

aatggagcac	tgcaatttgc	caccaaacag	ctaagccgaa	cattgagtag	agccactccc	60
atacctgaat	acctaaaaca	gatcccta	tcattgtgtt	ctgggtgttg	ctgtggctgg	120
ctgactaaaa	cagttaagga	aacaactcgt	actgaacca	tcaacactac	ttattcttac	180
actgacttcc	c					191

<210> 22640

<211> 138

<212> DNA

<213> Homo sapiens

<400> 22640

atthttgtccc	ggctccctgg	ctgtctgtca	aactgctgag	actgctgcag	tgctaccac	60
ccccagaaga	ccctgcagt	cgaggccgcc	tgactgagt	cctggagacc	atcctgaaca	120
aagcccaaga	accgccct					138

<210> 22641

<211> 142

<212> DNA

<213> Homo sapiens

<400> 22641

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aatgttaa	aatcctagc	tgggagggga	ttgaagcctc	caggctcaat	caaagggttg	120
caataatagg	atcatttaa	aa				142

<210> 22642

<211> 175

<212> DNA

<213> Homo sapiens

<400> 22642

acgttgacgt ttatgctttt gggatgtgca tgcttgagat ggctacatct gaatatcctt	60
actcggagtg ccaaaatgct gcgcagatct accgtcgcgt gaccagtggg gtgaagccag	120
ccagttttga caaagtagca attcctgaag tgaaggaaat tattgaagga tgcga	175

<210> 22643

<211> 120

<212> DNA

<213> Homo sapiens

<400> 22643

tgactattsc aaatgaagct gctctgaaca tttctgtgta agtttttggt ggaacaccta	60
ttttccagtt cttagggata tgtatttata tcaagccaaa ctacctacct aaccaccctc	120

<210> 22644

<211> 327

<212> DNA

<213> Homo sapiens

<400> 22644

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ttcattgttt ggctgaagtt tgctcttgt gagaaaacaa tacaactccc cttctccaca	120
cacttttttt ccagcccaga ttaataggta tcccctaccc taatcccaac tctatgatct	180
aatacctttt tttaggagga accacttctt tttaatatg aaatctgctg gttactttat	240
gttttctcaa gttcagttga ctagagctga ccacaggggtg tcatcaattc agattcctaa	300
ataacccttt ctctccacac ccagtcc	327

<210> 22645

<211> 130

<212> DNA

<213> Homo sapiens

<400> 22645

gctccaggaa tcgggtgtgc ctggccctgg ccgggggctg cccccgggag cagcgtccag	60
gcccatggcg gatgcagtct agaggactgc ctggaggagg cggcgccgng gcgagacctc	120
cagagcgcaa	130

<210> 22646

<211> 131

<212> DNA

<213> Homo sapiens

<400> 22646

ctgcttttagc cttctaggcc cttacctggc attctgtgct tttgccgcac aaaaattcta	60
tcagcaactc aaacatgcc aactgcctct ttaggtcttt gcatatgcta ttttctctcc	120
ttaaggccca c	131

<210> 22647

<211> 390

<212> DNA

<213> Homo sapiens

<400> 22647  
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 aatatataaa gagaacagca aacaatcata gttgcatatt aaagacaatc tattttctccg 120  
 taaaggaaaag taaagtgagt catattacat acaagccaca atacagaact gatctgaaat 180  
 aactgcgga atggcctttc agtctatgct ggactctaac aggaaaaagg cagaagggtgg 240  
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 cttatttttc atattatttt tgaaaaggca gaaagggttaa ttatatattg acatgatttg 360  
 gatctgtgtc ctcaccataa tctcatgtca 390

<210> 22648  
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 <212> DNA  
 <213> Homo sapiens

<400> 22648  
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 tctgcttggc ttcatgttgt gctcagcgtg aacgtttctc ctcacccccg ccttctctgtt 180  
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 tattctctgta ctgcctttct tcattcaaag gccaatcac tcccagaaag aactgggtag 300  
 gtctggttct tagtggggaa gcaggaaatg gttcctacta agtgaattat ctttgctgag 360  
 atccaagaag acgtttacca ggaaatcatt agacaaatcc cattacagta gact 414

<210> 22649  
 <211> 363  
 <212> DNA  
 <213> Homo sapiens

<400> 22649  
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 aaaatgcctt aaatgttatt tttctaaaaat ttgttttgaa ataattctag attcacaaga 180  
 gattacaaaa tatacaaaaag tttcctgagt attcctttgck tagcatcatc aatgttatct 240  
 tacataacca taataataar aaccacggag ttctgctctt gttgcccagg ttggagtgtg 300  
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 ggc 363

<210> 22650  
 <211> 243  
 <212> DNA  
 <213> Homo sapiens

<400> 22650  
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 agaaaataaa atcagtgtgg cagagacttc cacagtgata cctggattat aaatttactg 120  
 ttacctcaaa gaaaatccag atccaaaatc tctctgcctc ttttccagta acaaaccag 180  
 cacatcttca tttagggcaa tatcctcttg ccctgccctt cctctaattt acagcccat 240  
 aca 243

<210> 22651  
 <211> 131  
 <212> DNA  
 <213> Homo sapiens

<400> 22651  
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acgttcacct tccacgagta tttaatcgag ccaacaagca aacaaacaaa cccaaataaa 120  
cctgcccata a 131

<210> 22652  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 22652  
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aaagtgtgaa catttcttat ccaatgaact agttataaaa tcaaacaaat aaatgaagaa 120  
aaaaacagga gccgac 136

<210> 22653  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 22653  
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aaatgttcgt tgtaggccaa tgtgtagtca cccaacacaa ttgatcaaat agcaatgaaa 180  
tgccactat gtacacaaaa cttttctgga tactgcacgt gtgtatgtgt gtgtgtgtgt 240  
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<210> 22654  
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<212> DNA  
<213> Homo sapiens

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ccaaatggck aatgcatgat attacagaat catgcatgga taaaagaccc atttaaagta 120  
caaggtcaat gaattttagt gcaacaaaag catgagaagt tcatcgttat aggttttggt 180  
aacacatagc ttttaagaga ccacttactt tctagttctg atgtagtgtc aaataagact 240  
attcacattt atcagaaaag gctattaara tgcccctcct ct 282

<210> 22655  
<211> 124  
<212> DNA  
<213> Homo sapiens

<400> 22655  
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ccagcccggc agcaggcccc ctctccgccc gccaccacgg aggagaagga ggacagccag 120  
cmtt 124

<210> 22656  
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<212> DNA

<213> Homo sapiens

<400> 22656

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ggtggtagga	ggagttagat	catagatgtg	aacattgaaa	ataagtaagt	atacttttagc	180
ctctgataaa	gaagggaagg	gtaaaaagaa	gtttgaagat	aaaaagaaac	ttttagaatg	240
gagaagagtg	tctaaaaagt	ttatTTTTTA	tgacactagc	cttttcagga	aagcaa	296

<210> 22657

<211> 334

<212> DNA

<213> Homo sapiens

<400> 22657

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ttctttgaaa	ttatatgggg	ttgtatgctc	tctgtgatac	taattgctta	gttcttttagg	180
aaagaatagc	atttgacata	catatacaga	ttgtactcct	tttacagatt	catcatgttt	240
ttgaaatgta	cacttggtgag	akacttataa	atkatgtktt	kkctttggca	ttcttaataa	300
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<210> 22658

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22658

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catcccttac	gatctagagt	ataagctgcg	caagggcaga	agtttttatc	tggtttgttc	120
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<210> 22659

<211> 217

<212> DNA

<213> Homo sapiens

<400> 22659

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caactgnget	ggcttctctg	ctactgctgc	tgctgtcttc	tcacacatag	acasgcacac	180
acaccctttc	tsgcacacac	acacacacac	acacaca			217

<210> 22660

<211> 139

<212> DNA

<213> Homo sapiens

<400> 22660

caagggattt	atgtctacat	atttgtgtgt	gtgtgtgtat	atatatgtaa	tatgcataca	60
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atcaagattc	attaggcaa					139

<210> 22661

<211> 281  
<212> DNA  
<213> Homo sapiens

<400> 22661  
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gctgctgatg camggwatcc cctgggctcc cgtccactcc actgctgacc agcccattcg 120  
cctgtgctga gtcttcctgc aggcctttcc ttgcctctgt gggaccctgt ggggggccat 180  
ccggctggag aagaraagcc tctcatgcta acgttgacaga cccagaggg tgagagarag 240  
ggggacttca ttcagtcttg aaacctgtgt gctcagcccc a 281

<210> 22662  
<211> 302  
<212> DNA  
<213> Homo sapiens

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agaacaggac ctgactacaa agaattgtttc cattggaatt gttggtaaag acttgagatt 120  
tacaatctat gatgatgatg atgtgtctcc attcctggaa ggtcttgaag aaagaccaca 180  
gagaaaggca caggtatata atcataacac aagaggcttt agttctattg taagctgctg 240  
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ac 302

<210> 22663  
<211> 280  
<212> DNA  
<213> Homo sapiens

<400> 22663  
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cacaggcata tttagaaggc aaactcgtat atggcaagca tgccttcaac tcctaattgtt 180  
tcagaaatag ggtgtctaac ttaaaacctt ttctccaaat aaagtggcca ttcttcctca 240  
gccccacccc atcacacaca cacacacaca cagcacacg 280

<210> 22664  
<211> 302  
<212> DNA  
<213> Homo sapiens

<400> 22664  
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tgctcatgga taggaagaat taatatcatg aaaatggcca tagtgcccaa agcaatttat 180  
agattcaatg ctattcccat tarretatca ttgatattct tcacagaatt agaaaaaaaa 240  
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ac 302

<210> 22665  
<211> 143  
<212> DNA  
<213> Homo sapiens



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cttcaaattct ctgaccccaa cta 143

<210> 22666  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 22666  
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gacgcacggg gaggcgggtg gcgcttgagg aaggagatga gaagcctatc ctcccagccc 180  
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<213> Homo sapiens

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ggacagaatt tttaaaagca atgaagccag ttccttgatg atatccacgg gctttgcttt 120  
gagaaggaac tgagtaggca gtgagaagag tcgagtgaag cctggcccgt gagtgccgt 179

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<211> 387  
<212> DNA  
<213> Homo sapiens

<400> 22668  
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gctaaagtac acatgaagc ctctgcacac tgctctgtta gtccgagtca gagctgcaat 300  
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<210> 22669  
<211> 137  
<212> DNA  
<213> Homo sapiens

<400> 22669  
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aatatcctga caccaag 137

<210> 22670  
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<212> DNA  
<213> Homo sapiens

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acgaggggc 69

<210> 22671  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 22671  
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<210> 22672  
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<212> DNA  
<213> Homo sapiens

<400> 22672  
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gaatgaatga gatatttgat aattgctttg ttctattaat acttactgga cacttccttt 120  
tataagaacg atctttgtag gactatatgt gtcagtaatt atgagcttca atcctgacat 180  
taataactta ctgttgagca gagaagagtt gcttctaaac cttgtgcttt tatatactaa 240  
tttaaaaact taaagtgata gtgagctatg aagtaccaat catgtatgat atgtaaatac 300  
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<210> 22673  
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<212> DNA  
<213> Homo sapiens

<400> 22673  
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ctgttctccg ccattatttg aacaggggccc tagtcaactgc tttcagttgc attgctcctt 180  
gcttcacagc cctgattgaa tgccttcttt agttgcatcc aactaaaaat agatccttca 240  
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caa 303

<210> 22674  
<211> 126  
<212> DNA  
<213> Homo sapiens

<400> 22674  
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ggcaca 126

<210> 22675  
<211> 280  
<212> DNA

<213> Homo sapiens

<400> 22675

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cacagcccta	gaaactgatg	gaaaaaataa	gagtaagcta	ggttg gatga	catgtgaatt	180
ttggatatcta	gataaggctt	tcgccatctt	ttttgtacaa	cacagtcact	aattgtctga	240
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<210> 22676

<211> 361

<212> DNA

<213> Homo sapiens

<400> 22676

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ccttcatggg	cacttttagc	tgagagcaat	atctggcagc	acccaagagg	catttgatct	180
ttctgctgaa	agtcacaagt	agagacaggt	ggcattgcc	tcaaggcatg	tcattagggc	240
cccctgctc	ccatttccat	gacacttcct	tccttctcgc	cctctttttg	tgtsrggcac	300
attgttttgg	gccaccttgg	ggcccaagta	tgt yggaagc	aataatgtag	ttggtagcgg	360
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<210> 22677

<211> 170

<212> DNA

<213> Homo sapiens

<400> 22677

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<210> 22678

<211> 446

<212> DNA

<213> Homo sapiens

<400> 22678

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tggtagccac	aggaaactga	tacacagata	ctgctatggc	catttttagga	aaagtacaat	180
ctgtgcaaca	gtaccgccac	catcaatgct	attaagcgtg	cagtcaccac	acctgtattg	240
aacattgttt	gaacaatgtt	aaktgcctgg	ctttgttttc	tcttactcct	cacaatgacc	300
ctgtgaatgg	ggactattat	ctcctckttc	katgtaaaga	aactgaagca	tagaaggctt	360
aattcacctg	tccaaccttt	ttagctagwg	ggtagccagg	tcaatatata	aaccaagata	420
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<210> 22679

<211> 378

<212> DNA

<213> Homo sapiens

<400> 22679

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 tggggaggga atactgcttg agcccaggag ttcggggacca gcctgggcaa catggcaaaa 180  
 ccccatatct acaaagaagt cccagctcct aagtagctgg aactataggc acacaccacc 240  
 acgccaggct aattttttgca tttttttgtt gagatggggg ttggccatgt tgcccgggct 300  
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<210> 22680  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 22680  
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 gtcataatad agcaccagtt cattcttttg caccttaggg accatctgtc ccctgagggtg 120  
 acctgagaaa caaccagttg cccacagact gttattttctt caagtgagcc aggatttgat 180  
 ttcactgccc aa 192

<210> 22681  
 <211> 106  
 <212> DNA  
 <213> Homo sapiens

<400> 22681  
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<210> 22682  
 <211> 246  
 <212> DNA  
 <213> Homo sapiens

<400> 22682  
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 cccaccaaga gacgcmgaag gaagatgccg acggtaaaga caraacagga gacgcgcgca 120  
 aggagcagga ttggaacatc agttaacatc tgaccactgc cagcccaccc cctcccaccc 180  
 acgtcgattg catctctggg ctccagggat aaagcaggtc ttgggggtgca ccatgatttc 240  
 accgct 246

<210> 22683  
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 <212> DNA  
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<400> 22683  
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<210> 22684  
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 <213> Homo sapiens

<400> 22684  
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<210> 22685  
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<400> 22685  
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 agaaaaagga aaaaaaaaaa aaaaaaaaaa 150

<210> 22686  
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 <212> DNA  
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<400> 22686  
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 tctcttaact ctctctacct gcgartcggg gtttt 95

<210> 22687  
 <211> 125  
 <212> DNA  
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<400> 22687  
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 gcaca 125

<210> 22688  
 <211> 370  
 <212> DNA  
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<400> 22688  
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 aactctccaa tttttcatca gattttcaat ccttaagccc tggagctttg tcagtgcacg 180  
 gcttttatga actagcaaaa ccaggacagt ggaagtgacc ctaaaagaaa cagtaaagca 240  
 tattgtttta gaccatgaac tgaccttgtg ttctgtccag gtccaccctt aaaatgctat 300  
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 tcataatagt 370

<210> 22689  
 <211> 154  
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<400> 22689  
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gagaatgttt cctaggactc acccactcca ttcaatgtta catataaaat agtgtgatca 120  
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<210> 22690

<211> 300

<212> DNA

<213> Homo sapiens

<400> 22690

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tagatggaaa cttattctat cctcctccat agaactctct ccctctagct ttcctcttta 180  
tctcctacct ctctggcaca actacccaat cagtttttga ggctccttct gcacttccag 240  
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<210> 22691

<211> 316

<212> DNA

<213> Homo sapiens

<400> 22691

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atagtaaaact gcctcaagtt agttgcaaac cacccttttag tttttcagca ataccagatc 180  
gtgatgtaga gcaataagct tgtttcagtg gggaaaataa aatttctaaa ttgcccaatg 240  
cctgrtggtta aaataaaggg gagctacttt ctaatcccat gaaaactaat atttttaaag 300  
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<210> 22692

<211> 122

<212> DNA

<213> Homo sapiens

<400> 22692

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<210> 22693

<211> 358

<212> DNA

<213> Homo sapiens

<400> 22693

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tcttggttta tgagatcaca tttaaagact ggattgatgt ctgtgacata aarttttaaat 300  
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<210> 22694

<211> 115

<212> DNA

<213> Homo sapiens

<400> 22694

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<210> 22695

<211> 330

<212> DNA

<213> Homo sapiens

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ccctggggga tttttttctt ctatgcctct ctggtggaat gacatttgct gtgtaggcat 180  
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acagtccatg gaaattgcct cttctgtgaa atctcgccac ctgctccgaa gacatgttgt 300  
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<210> 22696

<211> 97

<212> DNA

<213> Homo sapiens

<400> 22696

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<210> 22697

<211> 105

<212> DNA

<213> Homo sapiens

<400> 22697

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<210> 22698

<211> 225

<212> DNA

<213> Homo sapiens

<400> 22698

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gcaacttttag tttcaacttc ttgctgaggt aattctagct aatagatttc tttttattag 120  
cttattataa aagtaatact tgctcatgtg aaaattgtaa ttgacataaa atttgaaaat 180  
attgccttcc ttctcatta ttctactgtg tatattcttc ccgca 225

<210> 22699

<211> 95

<212> DNA

<213> Homo sapiens

<400> 22699

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<210> 22700  
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<212> DNA  
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ctkgttcact ggattcttga gaa 263

<210> 22701  
<211> 130  
<212> DNA  
<213> Homo sapiens

<400> 22701  
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cagacccgca 130

<210> 22702  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 22702  
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agagtctgta tctgatttta tgtgtttcag tgtatgtcaa gtggcatctt atttttcctt 120  
tttaatgcat aattcgaatg gcttccaaat ggcttaccat atagtgttta agattatgat 180  
tgt 183

<210> 22703  
<211> 100  
<212> DNA  
<213> Homo sapiens

<400> 22703  
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<210> 22704  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 22704  
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gtatattttg ataaaaaaat acttgacttt gtaattctgt atattctata caatttatag 180



cagagccggtt ttaagacagc cgg 203

<210> 22705

<211> 114

<212> DNA

<213> Homo sapiens

<400> 22705

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<210> 22706

<211> 204

<212> DNA

<213> Homo sapiens

<400> 22706

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atcgtaaatg attttttcat atgtttgttg gccatttgcg tatcttcttt tgagaattgt 180  
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<210> 22707

<211> 216

<212> DNA

<213> Homo sapiens

<400> 22707

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tgtgatagct ggacaagctg attgatacgt gatattgggtg atgcagatgc caaagtggca 180  
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<210> 22708

<211> 200

<212> DNA

<213> Homo sapiens

<400> 22708

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atcagawaca aaaaaggaga cattacaact gataccacag aaatgaaaaa agatcattag 180  
aaattattat aaacaacaac 200

<210> 22709

<211> 131

<212> DNA

<213> Homo sapiens

<400> 22709

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<210> 22710

<211> 389

<212> DNA

<213> Homo sapiens

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ttaatagtag	tcaagtagga	tatgcaaaat	ttatatTTTA	cataatctgt	gaacgtTTTT	180
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cattaatgtg	aacatgctta	ttaaaagtta	acctctttat	aaaaagtatt	aataaaccaa	300
gatgtgccta	aatattaggg	tacttcaagc	taaagggtcat	agtttatata	taaaaagtac	360
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<210> 22711

<211> 275

<212> DNA

<213> Homo sapiens

<400> 22711

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agtatgcagt	gatagctgat	tgtggcttta	atttgcattt	ccctgatgat	taattatgtt	180
aagcatttta	ttatataact	cttgtctctt	tgatatggga	gaaaatattt	gcaaaccata	240
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<210> 22712

<211> 360

<212> DNA

<213> Homo sapiens

<400> 22712

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acaaaaacaa	cgtggtagct	gtataaaaaat	aggcacgtag	ggccaggcgt	ggtggctcac	180
gcctgtgata	ccagcacttt	gggaggccga	ggagggtgga	tcacgaggtc	aggagatcga	240
gacctgggtg	aaaccccgtc	tctaccagar	atacraaara	ttggccgggc	gcggtgggtg	300
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<210> 22713

<211> 114

<212> DNA

<213> Homo sapiens

<400> 22713

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<210> 22714

<211> 103

<212> DNA

<213> Homo sapiens

<400> 22714

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cccttttttc tgccctgata ttcagtgcct ttatacggcc ggt 103

<210> 22715  
<211> 177  
<212> DNA  
<213> Homo sapiens

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attctaccat gtggtctggc catgaacca aggctgagg actggtgcct ttctgcta 180  
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<212> DNA  
<213> Homo sapiens

<400> 22717  
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tagaataaaa gtgtcccagc ctcagcctct tgttttctaa tgtgttggtt tgtttctcct 180  
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gaatgccct 249

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<212> DNA  
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<210> 22719  
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<212> DNA  
<213> Homo sapiens

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gtcatgtgga caaaagaaag tttgggttggc ttgtttgcct ttataaaaaat atttaagtta 180  
gttaggccag gt 192

<210> 22720  
<211> 239  
<212> DNA  
<213> Homo sapiens

<400> 22720  
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cattctgtag agctggatct tccactcagg tttaatgcat cagacaatca gttccagtca 180  
caataagggtg gcatgtagag gtatctggac aaaaagaata atttctttat gaggggcga 239

<210> 22721  
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<212> DNA  
<213> Homo sapiens

<400> 22721  
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cactttggga ggctgaggtg ggtggatcac ctgaggtcgg gagttcaaga ccagcctgac 180  
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gcctgtaatc ccagctactc gggaggctga ggcwbgagaa tcccttgaac cggggagacg 300  
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<210> 22722  
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<212> DNA  
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<400> 22722  
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cctcaaaaca gaacaatatt tattaacaca acaa 94

<210> 22723  
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<212> DNA  
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<400> 22723  
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gaccccggt 188

<210> 22724  
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<212> DNA  
<213> Homo sapiens

<400> 22724

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<210> 22725  
 <211> 287  
 <212> DNA  
 <213> Homo sapiens

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 gattagcagt aatttcacta catccctttt ctctgacttt catgcatttc tcatacatct 180  
 tckttctgat gcttgacttt atttgcttcc tagcaatagt ctgcatttaa agaaagggtg 240  
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<210> 22726  
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 <212> DNA  
 <213> Homo sapiens

<400> 22726  
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 gtctt 125

<210> 22727  
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<400> 22727  
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 tgggaggctg akgcgggctg atcacgaggt cakgagatcg agaccatcct ggctaacc 180  
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<210> 22728  
 <211> 176  
 <212> DNA  
 <213> Homo sapiens

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<210> 22729  
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 <212> DNA  
 <213> Homo sapiens

<400> 22729  
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agatgtggac	gagtgccttg	aaccaaacgt	ctgcgcaaat	ggtgattggt	ccaaccttga	180
aggctcctac	atgtgttcat	gccacaaagg	ctatacccg	actccggacc	acaagcactg	240
tagagatatt	gatgaatgtc	agcaagggaa	tctatgtgta	aacgggcagt	gct	293

<210> 22730  
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 <212> DNA  
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<400> 22730						
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gtaacagttt	acactctagg	actgtttttg	attaatctgg	gttaggagag	acacatttat	180
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aaggggtggc	tcacttggtc	aaggatcatc	aactggtagg	tggcagagct	gggatcctgt	300
ttgactcaaa	gccccagggg	ggttcctgtt	gtgggtgcac	gcttcttgct	gctttttgca	360
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<210> 22731  
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 <212> DNA  
 <213> Homo sapiens

<400> 22731						
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atcagtggga	tgagactgga	tttttcctcc	ctggctattg	gagaaaaaaa	aaggggaaaa	180
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<210> 22732  
 <211> 192  
 <212> DNA  
 <213> Homo sapiens

<400> 22732						
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gaaaggggaa	aaagaggtca	gttaattggg	tttaaaaaaa	agatgaaata	agacaggctc	120
aaggaaaacg	gaaagggggc	aaaattgcgg	gaagtgtttg	gcctgtgggt	tcaaatgtta	180
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<210> 22733  
 <211> 252  
 <212> DNA  
 <213> Homo sapiens

<400> 22733						
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taaaatatat	ttggcatata	gtaggtgttc	aatatgttga	aggaatgaaa	gaatttatag	180
acttgagttg	caatataaaa	tgtatTTTTT	ttttactgtg	agttatggca	aaaaaagttt	240
tgaaagccgc	ag					252

<210> 22734  
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<212> DNA

<213> Homo sapiens

<400> 22734

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caatctaaga	ttggcaaaaag	atcaaattgt	caaatcatat	ttacgtaaat	tatagattgt	180
acccagtacc	aaatttacta	gtgcttgaaa	ggacacaggt	gttagcaaaa	cacagaccaa	240
gcacg						245

<210> 22735

<211> 126

<212> DNA

<213> Homo sapiens

<400> 22735

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caaatgccaa	cactttctag	gtcccttttc	tagcaacat	ttcccaacat	acctacgcgc	120
cccaag						126

<210> 22736

<211> 424

<212> DNA

<213> Homo sapiens

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ctggagaaat	ggcagaagag	catcgtggag	gagctctgtg	cgtgggtgga	gaagttcatc	180
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cgggccttga	cggaggaact	tcaccagaag	gtgtctgagg	aggccaaatc	gatcctgctg	360
aaactgcgcta	cgcgcgatgc	cgtggtccgg	ctgagcgcct	actcgtggtg	cgggttcgca	420
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<210> 22737

<211> 238

<212> DNA

<213> Homo sapiens

<400> 22737

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gagcaatagc	aagaaataag	tgaggaaaag	gcctgggatg	gagtgaagtt	tctgaaaact	180
tcacactgag	gtggttgaat	cacctgattt	tgagaccatc	ccgaccaaca	tggagaaa	238

<210> 22738

<211> 432

<212> DNA

<213> Homo sapiens

<400> 22738

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atcaaatact	aggctgtgac	gaaattcttt	agaaaaactt	tgtaacagtt	ttgtgggatt	120

tttcaatata	aacctttatc	agaaatatac	taagtttgtc	tcccactgac	aacagatggt	180
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gaaattccac	tcctgtacag	ttactctgca	gckaattggc	atgcactgct	taatgctggt	300
cctgaatcat	gtwctcatgt	tagaccaaca	gctctccaat	tgtcattttt	tttctgcaga	360
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aatttcagat	tc					432

<210> 22739  
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 <212> DNA  
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<400> 22739						
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aaatggaagt	aataccagca	catggtaaaa	aacacattgc	agctcatgaa	tggtataaaa	180
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<210> 22740  
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 <212> DNA  
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agcctcccga	gtgactggga	ttgcaggcac	gtgccamcac	t		161

<210> 22741  
 <211> 273  
 <212> DNA  
 <213> Homo sapiens

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gatttgaaat	ggcacttgta	tcaaataata	aattcacagg	tacacgtgag	tstgtdtcat	180
gcatcaagtg	cctctttctt	agccagtaac	accaagtgct	aattaccatt	gctttgtagt	240
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<210> 22742  
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<400> 22742						
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gaagatctar	natcgaacca	gcttcccaaa	gctgcctgga	ttccacatgt	tgaaaacaga	120
cagctttggg	aagctgggtc	tatcaagaat				150

<210> 22743  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens



<400> 22743  
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 ccgcgcc 127

<210> 22744  
 <211> 301  
 <212> DNA  
 <213> Homo sapiens

<400> 22744  
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 agtcaagtgg aaagggacaa actttgtgtht tgtctgggga tggaggctac gtgcagcaga 120  
 ggctgtgctg ataacagctt taagcctctc cctttgttht ctgattgtat cgtttatatt 180  
 cgctgtctct ggagtccttg ttttcccttht aaggcatgta gctgttcatt cagcctcctc 240  
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<210> 22745  
 <211> 126  
 <212> DNA  
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<400> 22745  
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 ggccac 126

<210> 22746  
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 <212> DNA  
 <213> Homo sapiens

<400> 22746  
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<210> 22747  
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 <213> Homo sapiens

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 atctgatagc cttatthcagt cttcatcatt ttcctatgta gattatthgga 180  
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 attgaaacaa gccagca 257

<210> 22748  
 <211> 184  
 <212> DNA  
 <213> Homo sapiens

<400> 22748  
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 ttattaaaat gaggaggcta ttttttccca gtatataaat gattctaata ctttttgctg 120  
 taaaactttt ggagtctctc tgctaaatta tgtkccagtk tcgtagcttg ggattcaagt 180  
 cata 184

<210> 22749  
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 <212> DNA  
 <213> Homo sapiens

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 gcttgagccc atgcggtgag ctatgagtgc gccactgcgc tccagcctgg gccaagcagc 180  
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 agtcctamaa tctctgcccc ta 262

<210> 22750  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 22750  
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 ctgttcagag gaacagacaa aggatgaaat caacccatgc ttcacagaaa ggcaaacaga 180  
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<210> 22751  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

<400> 22751  
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 gcagaacgag agagaaagag agatagagag aggc 154

<210> 22752  
 <211> 136  
 <212> DNA  
 <213> Homo sapiens

<400> 22752  
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<210> 22753  
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 <212> DNA  
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<400> 22753  
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tktctagtgt gtactgaaaa cagctctttt a 391

<210> 22754  
<211> 412  
<212> DNA  
<213> Homo sapiens

<400> 22754  
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<210> 22755  
<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 22755  
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taatcgccgt cctttgggga gcaggaacag ggaggg 96

<210> 22756  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 22756  
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tacagacctg cagctcccc tccccagca ggcccgc 98

<210> 22757  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 22757  
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acatgcagca tctgcatggg atcctttatg tcatacctgt gagtcttggg gagaaagaga 240  
actgacttaa acaggatatt catgctgctt gctgtatgat gaataataaa ctcctctgtc 300  
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<210> 22758  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 22758  
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gggaggagga agtgctcggt gaccccc 147

<210> 22759  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 22759  
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ctgaggccac tgccaaggga gggagaaatg gtcactttct ggtggtggtt aatgctttgt 120  
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ttta 304

<210> 22760  
<211> 157  
<212> DNA  
<213> Homo sapiens

<400> 22760  
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agaaaaagga aaaaaaaaaa caaaagacaa aaaaaaa 157

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cgcgcggtggc ccggggccaga taatttttgt acctttattt tttgaatttg ttaattagct 180  
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<210> 22767  
<211> 249  
<212> DNA  
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<400> 22767  
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agtatcagag	tatcacgctc	tggttatatt	cctaggaaca	cagacagacc	tatgggaaca	240
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<400> 22770						
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<400> 22771						
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<210> 22772  
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<400> 22772  
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ctctcaaata ggaatttaga gtgatgggtcc ttgagtcaga gaggccacta gagaaagttt 240  
gactttccat gtagaatagc aagctctcct ctggcaagtc ttttcagac aaggctctat 300  
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<210> 22773  
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<212> DNA  
<213> Homo sapiens

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<210> 22774  
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<212> DNA  
<213> Homo sapiens

<400> 22774  
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caagggcctg gaatgtgagc gtcccgagcg aagggatcta gttccgtccc tccaccagg 240  
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<210> 22775  
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<210> 22776  
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<212> DNA  
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<212> DNA  
<213> Homo sapiens

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gctactcggg aggctgaggc aggagaatcg cttgaacccg ggagacggag cttgcagtga 180  
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aaaaaaaaaa aaa 253

<210> 22778  
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<212> DNA  
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aatttgcctt ccttggaata accacatata aatatgaatc tggctgcaag aacaggatat 180  
ccaggtc 187

<210> 22779  
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<212> DNA  
<213> Homo sapiens

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aggctctttaa aattatcaat gtgattataa tgaatgaata acatatagcc cttcgaaggg 180  
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<210> 22780  
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<210> 22781  
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<212> DNA  
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<400> 22781  
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<211> 352  
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<210> 22787  
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<212> DNA  
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cattatctgg catccaatcc aaattatgag acaggacaac ataagaraaa ccctaccttc 180  
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<213> Homo sapiens

<400> 22795

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<211> 321

<212> DNA

<213> Homo sapiens

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<211> 191

<212> DNA

<213> Homo sapiens

<400> 22797

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aaccccgctct	ctactaaaaa	tacaaaaaat	tagccggggcg	tggtagcgag	cgctgtagt	180
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<211> 347

<212> DNA

<213> Homo sapiens

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<210> 22799

<211> 51

<212> DNA

<213> Homo sapiens

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<210> 22801  
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<212> DNA  
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<210> 22802  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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tattccccta tgctg 195

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<212> DNA  
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<211> 172  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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gcagtdaat 189

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 tsaaaactta atattttgaa aatgtacatg gtcctctgtt cctctgagtk aagcaaggat 180  
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<210> 22810  
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 <213> Homo sapiens

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<210> 22811  
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 <213> Homo sapiens

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<210> 22813  
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 <212> DNA  
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<400> 22813

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actatcaatt	atcagagccc	atgaagccca	agatgctggg	tatcgaatgt	acaggaagag	180
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cattttgaat	tgagattgct	cttgagggtat	tttggagcat	gtcatttggt	atatgctttt	180
aaaaataatt	taaagtgtta	taaggcaaat	tttaattaaa	cagtgtacat	tcagttattt	240
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 <212> DNA  
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<400> 22815						
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 <211> 333  
 <212> DNA  
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tgccatatagt	ttctctgtct	atcttttagtc	actattccct	ccataaaacc	tcaaattcaa	180
cttctgtttc	aacaactcca	tggaatcaac	tcttactaaa	gccaccaatt	attttcttac	240
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<210> 22817  
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 <212> DNA  
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ctgcagaatt	tgtttcaatt	gaaaatagac	tcaggaagat	tgctgctcag	aatatcatat	240
aatgtttatt	ttttgagggt	tttttggttt	tatttggtg	tttttktttt	ttwaagycas	300
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<210> 22818  
<211> 73  
<212> DNA  
<213> Homo sapiens

<400> 22818  
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ggacgacgag gaa 73

<210> 22819  
<211> 186  
<212> DNA  
<213> Homo sapiens

<400> 22819  
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acgttttaggg tgaagtgcct tggcacggga tttctcagct tcggtggaag atacgaaaag 180  
ggtggt 186

<210> 22820  
<211> 336  
<212> DNA  
<213> Homo sapiens

<400> 22820  
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gaaacgatgg gtgtcgctag atccagctgg gactctgcc aacctccggca ctcagtctaa 180  
gagaagggcc atcttccagc cctgctgtcc ctgcctgtca tggccacatt cggtgctgt 240  
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<210> 22821  
<211> 170  
<212> DNA  
<213> Homo sapiens

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<210> 22822  
<211> 313  
<212> DNA  
<213> Homo sapiens

<400> 22822  
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atgcctatct cagcaatcct gctaagcaat atactctgga taaggtaatt accttctttt 180  
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<213> Homo sapiens

<400> 22827

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gggggatca	cgaggtcaag	agatcgagac	catcctggcc	aacatggtga	aacccaca	179

<210> 22828

<211> 99

<212> DNA

<213> Homo sapiens

<400> 22828

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<210> 22829

<211> 149

<212> DNA

<213> Homo sapiens

<400> 22829

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<210> 22830

<211> 280

<212> DNA

<213> Homo sapiens

<400> 22830

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gagaagaaga	agaaaaaaat	accagttcat	aacaacatat	atatgagaat	attttctact	180
gacataat	atagtagcca	agaactagaa	ataaagtaat	gcccacctat	agaagaataa	240
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<210> 22831

<211> 370

<212> DNA

<213> Homo sapiens

<400> 22831

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gctatttctt	gccttctggt	agcttttgaa	tgtgtttgct	cttgcttttc	tagttctttt	180
aattgtgatg	ttaggggtgc	aatttttagat	ctttcctgct	ttctcttggtg	gacatttagt	240
gctagaaatt	tccctctaca	cactgctttg	aatgtgtccc	agagattctg	gtatgttgag	300
tctttgttct	cattggtttc	aaagaacacc	tttatttctg	ccttcctttc	tttatttacc	360
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<210> 22832

<211> 429

<212> DNA

<213> Homo sapiens

<400> 22832

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attacatatt	atttaaagta	acttaaccaa	actgctaggg	gagtagtact	actactagag	180
cattaacttg	atgttaatac	tttccttgat	gtctttcatt	tctgtttgat	attctgtcat	240
ttattctgtg	ctacttctgt	gaataaagta	ttcatatgat	acttgccctgg	gaagcaataa	300
tagcttaatc	attattgact	aatgaataac	tgatgagctc	aatgcaagag	aaatatactt	360
agtaatatcc	aacaaatggt	tattgaatgc	ctactgggct	gaagcaagat	caagtatact	420
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<210> 22833

<211> 114

<212> DNA

<213> Homo sapiens

<400> 22833

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<210> 22834

<211> 396

<212> DNA

<213> Homo sapiens

<400> 22834

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aagacctccc	ctgttgccctg	tgctctggaa	gattcccat	agtacctact	aggtgggccca	120
gagaaggatg	gatttgtggg	accctggaag	gcagcatatc	gggggcgggt	taagcagaga	180
aatgatagga	tctgatgtat	atTTTTaaag	gatcattaag	tctgggtgtg	tgaatagact	240
cttgggggaa	gaggaacaa	aggtgggcat	agagagacca	gttaggaggc	actgagagga	300
gggtatggtc	agaaaatgag	atgtttgatg	atTTTggaag	taaagcagtt	acaagtgata	360
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<210> 22835

<211> 233

<212> DNA

<213> Homo sapiens

<400> 22835

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tagctgagtt	acaggatgta	aatagagagg	gtctgggtaa	tttatggatg	agaggtttgg	180
cacattgact	taccaaacct	ctctttaaca	gtgttagtca	gtttaccagc	cta	233

<210> 22836

<211> 418

<212> DNA

<213> Homo sapiens

<400> 22836

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tcttagctca acgatacact caagatcctt gagctaggag aaacctata aaccacctaa 300  
gtggatgcct tctctttaga gaggagaadg cttaggtcac agagaggctg tgacctcccc 360  
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<210> 22837  
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aatgtatga atgcacttct gtaaccagat acttcwgttc ttcwgttcaa attgtggggg 180  
ttttgtdata gtwaggacgc ccatgaagat ttaggggtga aaaaaacagc agagc 235

<210> 22838  
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<212> DNA  
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<400> 22838  
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<210> 22839  
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<212> DNA  
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cccagcccg gctttcttgg ggccgcccc cttctaccgg gtgtat 106

<210> 22840  
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gacctacccc tc 192

<210> 22841  
<211> 272  
<212> DNA  
<213> Homo sapiens

<400> 22841  
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cacactgact tccgcaatgg ttgaactagt ttacagtccc accaacagtg taaaagtgtt 240  
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<210> 22842  
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<212> DNA  
<213> Homo sapiens

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<210> 22843  
<211> 81  
<212> DNA  
<213> Homo sapiens

<400> 22843  
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<210> 22844  
<211> 202  
<212> DNA  
<213> Homo sapiens

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ctgatgactc tcaaagctcc acttcattcg agcttgccct caatcctaaa accatgtgtc 180  
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<212> DNA  
<213> Homo sapiens

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tataaaactc ttagaagaca acatagggga taagcttcac aacattggat ttggcagtgg 240  
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<210> 22846  
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 <213> Homo sapiens

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<210> 22852  
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 <212> DNA  
 <213> Homo sapiens

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 <213> Homo sapiens

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 gagcac 186

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<210> 22857  
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 <213> Homo sapiens

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 aatgtcaaat aaagtggtag agactcatta caacaagttt ctcataaaaa tacaataaat 180  
 aggaaaatga aattcagaaa cccaaa 206

<210> 22859  
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 <212> DNA  
 <213> Homo sapiens

<400> 22859  
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 gaggttttca gttatattgc atggcaacga aaactttgct agtatacctg ttttctttgt 120  
 ttttaattatt ctagctgatt gattctgctt cacacctgag gacaagggca ttgccagaac 180  
 atggacttaa tttttttccc tgttcttagt ctgttagcca tccatggata caaacataaa 240  
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<210> 22860

<211> 188

<212> DNA

<213> Homo sapiens

<400> 22860

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cagctgtgca	agccaacgag	tggataaaga	aaatgtgata	tatatgcact	atggaatact	180
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<210> 22861

<211> 338

<212> DNA

<213> Homo sapiens

<400> 22861

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aagttcaaaa	ttgttcattt	taagagaaaa	ggaaataaat	atactccaag	taatgattgc	180
ctgaattaat	gattaaatgg	aagatgataa	gcaaggatca	atggaggatt	ttctcatttt	240
ttaagtcatc	tgttttgttc	tgtactcctc	agaacagatg	cttttagagg	gattcaatct	300
ctcatcctgc	tcaccagcac	gttggtcgca	tctcgtgt			338

<210> 22862

<211> 75

<212> DNA

<213> Homo sapiens

<400> 22862

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gagcttggtg	acaak					75

<210> 22863

<211> 169

<212> DNA

<213> Homo sapiens

<400> 22863

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tccctgactg	agcacctccc	ccgcctccct	gccccgaca	tggctcagga	gaagatggag	120
ctagacctgg	agctgcctcc	gggtacgggc	gggagccngc	ggagggcaa		169

<210> 22864

<211> 212

<212> DNA

<213> Homo sapiens

<400> 22864

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cacatagagc	aaaaggaaag	atgtcttttt	tgttgtgtga	agccactgct	acctggatgc	120
ttttcagtct	gccttcagct	catggttttc	tggttttata	tatatctaac	tttatacttt	180
aaaaccttta	aagtagaaat	tgtagagccc	ag			212

<210> 22865  
 <211> 281  
 <212> DNA  
 <213> Homo sapiens

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 acgtacaaat tcacgtatct ttgtaacaga atgattttatt ttcctttggg tatattccca 180  
 gtgggtgggat tgttgggtga aatgggtattt ctgattctag atcttcgcca cacaatcttc 240  
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<210> 22866  
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 <212> DNA  
 <213> Homo sapiens

<400> 22866  
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 ttccttctcc attccatgga accttgtagg gtgttgggat tgggcctccc ctgaccccg 180  
 ccc 183

<210> 22867  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 22867  
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 taccatattt attttcaatt tktttctctt actacaaaaa atacatttat cttgtctctg 180  
 ggatagaata caaatgtttt gtttcattgg aatgtttgat gttagtacaa cttgccatgt 240  
 ggtaaatggc ctatatgtat ttgttgacac aatgctaact ccttcaaata tactttattt 300  
 caattagaaa gtattttatt agtgtatcaa tgttc 335

<210> 22868  
 <211> 112  
 <212> DNA  
 <213> Homo sapiens

<400> 22868  
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<210> 22869  
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 <212> DNA  
 <213> Homo sapiens

<400> 22869  
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cgggcgctgt cagccgctga aaaaaaaaaat cttccccgag gctgccc aaa tcagaactgt 180  
gtatctttta tttactcacg tccgt 205

<210> 22870  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 22870  
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ttggcaacat ctactaaatt tgtacacgta catgtgctct aacataagag taatggctcc 120  
agtgtgcac cagataacat taaagacata tc 152

<210> 22871  
<211> 383  
<212> DNA  
<213> Homo sapiens

<400> 22871  
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gagaccagcc ccccccaaa cagctagtgg agaaggagca atgctgaggg gtgaggcctc 180  
tctcccactc cagccccagg acaggaaaca gaactgcctg aaaaagggtga agtgaaactt 240  
ggatctctat ttctcccata agggacttct gaaacaggga agccccctcc catgtgaacc 300  
aaggaaagga ggcacagccc agagaacccc tttggggata ctaaagacag aagaggggaa 360  
ggtggccctt agagacagag ctt 383

<210> 22872  
<211> 267  
<212> DNA  
<213> Homo sapiens

<400> 22872  
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tgatggctct cctcctccc tccccatttc attggcgtaa cgtaaagtgt attctgtaca 180  
taattttaca ataaaacatt ttattttaat tgttacttat tatttagata tttctcaaca 240  
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<210> 22873  
<211> 282  
<212> DNA  
<213> Homo sapiens

<400> 22873  
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tttttttcaa aattgtcttg gctcttcgca tttctacaca aattttacag tcagcttctg 180  
cagttccata aaaaaacaaa taaaaccctg ctgaaattac ttggatgcaa ttatcagttt 240  
gggaagaatt gccatcttta taatatttaa ccttccaacc ac 282

<210> 22874  
<211> 317  
<212> DNA

<213> Homo sapiens

<400> 22874

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ggtttgggggt tttcaccaca	atttcactcg	cgtccatgtg	aagagaccac	caaacagggt	180
tgtgtgagca ataaagctgt	ttatttcacc	tgggtgcagg	tgggctgagt	ccgaaaacag	240
tcagtgaagg gagataagga	tggggccatt	ttataggatt	tgggtagata	aaggaaaatt	300
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<210> 22875

<211> 138

<212> DNA

<213> Homo sapiens

<400> 22875

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actcacgcac acctcaaa					138

<210> 22876

<211> 138

<212> DNA

<213> Homo sapiens

<400> 22876

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actcacgcac acctcaaa					138

<210> 22877

<211> 331

<212> DNA

<213> Homo sapiens

<400> 22877

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tgtttcctat gaaaaccaa	caatgattcc	acagtcataa	tgatggcaaa	atcttaaaat	180
gtgctacatt tgagaatagc	tcaccaagca	aaatatttaa	agttaatgat	ggtgtagcaa	240
tgattgttgc taggctacag	agttgtatat	gtaatgtata	gctgaaatca	ttaaattgaca	300
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<210> 22878

<211> 224

<212> DNA

<213> Homo sapiens

<400> 22878

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ctctactgct cggcagggca	gctggcctct	gggcaccggc	ggccctctg	cctcgcggaa	120
aagcctgatg aagtcctccg	atattgatca	ggatttatc	acagacagtt	actgcaaggt	180
gtgcagtgca cagctgatct	ccgaatcgca	gcgtgtggcc	cact		224

<210> 22879

<211> 473

<212> DNA

<213> Homo sapiens

<400> 22879

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aagagatgta	tatatgtgaa	atgtatcaag	ctggatcttg	tttgacaag	tctctgcttt	180
tgtacaattt	gcaaaaaacc	cagatggtaa	tttctaagac	tyttgaatta	aggagtctgt	240
tggaaagatc	tttagcatta	actaggtgag	gctaggacaa	tgtcatgtag	ctggacctct	300
ttgcagttaa	agacttgagg	acttgtacct	ttctgtccta	ttggacctgg	tccattttcc	360
cccagggag	ggaagtctga	ttcctaata	agtaacaatt	tcaaaaacag	tttcttgctc	420
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<210> 22880

<211> 355

<212> DNA

<213> Homo sapiens

<400> 22880

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tgtcaagmrq	tgtgcttcat	tgggaatcga	tgcagcacc	tcctgcctgc	aagctgacta	180
aaagcctttt	ccttctccaa	agactttggg	accatttgta	ttcaccagg	aaagggtaa	240
acaactcctg	catcttcttc	ccctgctttt	cttggcacat	ctactgatac	tagctcctaa	300
tttgggcaag	aaaaaagtca	acaactggag	gtagaktgtg	ttgaccctgg	actca	355

<210> 22881

<211> 235

<212> DNA

<213> Homo sapiens

<400> 22881

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agtagtactg	ccggttggtc	agggttcggc	ctcaacatgg	cggttcggc	cgggcagtga	120
ccaaggtttt	gccgtccgaa	gmtaagtgg	gactgtcggc	gtctccacct	atcgggggtg	180
aatgagagca	cgcggggacg	agcgctgaga	agcggcggtg	acgggaagg	gggga	235

<210> 22882

<211> 155

<212> DNA

<213> Homo sapiens

<400> 22882

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aatgcaacta	ttcaaaaagt	ttaattttat	gaatttcttt	tgtttagtct	tgaagactga	120
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<210> 22883

<211> 263

<212> DNA

<213> Homo sapiens

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 acagatatca atagttaaag aaagtaatat ttattttcct atttaaaatg ttaagataat 180  
 taccacagag acaaatttaa atacttggtta aactaatata gtgagctatt ctatagacaa 240  
 caataggaga aatgggggaa ggt 263

<210> 22884  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

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<210> 22885  
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<400> 22885  
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 cagtagtcgr gaatgactaa aaaaagaaaa cgccaacatg attttcaaaa agtaaaattg 180  
 aaagttggtg aaaagaagcc caagttacaa aatgctactc ctacaaactt taaaacaaag 240  
 actatacatc tgcttgagca gt 262

<210> 22886  
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 <212> DNA  
 <213> Homo sapiens

<400> 22886  
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 ccggaattct gtaacaata aagatgaaag aaaaaatgaa aactttatac aaaaaaggac 180  
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 aaga 244

<210> 22887  
 <211> 53  
 <212> DNA  
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<210> 22888  
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 <212> DNA  
 <213> Homo sapiens

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 gagagtcaaa caattactat ttgaaaatct cttatgacat ttttataatc tactctgttt 180  
 ttattttgcat gattatgctt atgtgatgaa ccatccatga ttctgatatt gtatttcctt 240  
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 atgattcaac tgttcctaca ttgattgca gtttaattat tatgcctttt ggggttaaat 360  
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<210> 22889  
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 <212> DNA  
 <213> Homo sapiens

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 aaaaatgagc cagtttgtgt ggtgggtgcc tgtagtccca gctactcagg aggctgaggc 360  
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 ctccagcst 429

<210> 22890  
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 <212> DNA  
 <213> Homo sapiens

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 ggcggcgact 70

<210> 22891  
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 <212> DNA  
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 <213> Homo sapiens

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 ttaaaacttt taatatattg acatctttta tttattatca ttattgttta catggaataa 180  
 aaaattctta tttttatgaa aatagattca aactgtatat aattatgtga attatgtgtc 240



ttgacttttta attttaaata tataatgaac 270

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<211> 305  
<212> DNA  
<213> Homo sapiens

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tgcacttttc ttcactgacc attagttaga aagagttcag agataagtat gtgtatcttt 180  
caatttcagc aaacctaatt ttttaaaaaa agttttacat aggaaatatg ttggaaatga 240  
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<210> 22894  
<211> 283  
<212> DNA  
<213> Homo sapiens

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<210> 22895  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<210> 22897  
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<212> DNA  
<213> Homo sapiens

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tctgtgtaa	tctaaacgc	tcaataaata	tttcttaaaa	tgaagataat	tctccttgac	180
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 <212> DNA  
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 <212> DNA  
 <213> Homo sapiens

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ggtctccgga	ggccgggatt	cgcgaggagg	ccaccagcag	gaagaaaccc	a	171

<210> 22900  
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 <212> DNA  
 <213> Homo sapiens

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agtcgggttg	cactgctgtg	atccatcctc	atctcctaaa	gatgcctcct	gacttatctc	180
cacacttgca	cactgaagaa	tgcaacgtct	tgattaactt	gcttaaggaa	tgtcacaaaa	240
atcacaaat	tctgaaattt	tttggttatt	gtaatgatgt	tgatcgggag	ttgagaaaat	300
gcctgaagaa	tgaggttcct	gctctgtcac	ctaagctgga	gtgcagtagg	gtgatcgtaa	360
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<210> 22901  
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 <212> DNA  
 <213> Homo sapiens

<400> 22901						
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taatgtgaaa	tcccacctgc	cccatgccat	tagaccagag	ggagtatgat	gtgaccatta	180
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<210> 22902  
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 <213> Homo sapiens

<400> 22902

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gcttggtaaa ggagaaatct tctaaattgg ttttttgaat tatatttgta aattttgaat 180  
aatattttgt aaattttcca ttgtcatgtt ctaatagaat gtgagcccct ctgatgattt 240  
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<210> 22903

<211> 442

<212> DNA

<213> Homo sapiens

<400> 22903

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tgcaaccttc tcccgaacac tcctcgctgc tgccggcggt tccagcctgc aaactcagag 180  
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cacctgctcc tcctcctctg actcggaaacc tgaaggattt ttcttaggcg agcgcctccc 360  
cagtcctgga agacccccgg aagcctccaa gcagaggaca gcaacgcctc taagacgcac 420  
tgcaccatgt gctagtggcg ca 442

<210> 22904

<211> 428

<212> DNA

<213> Homo sapiens

<400> 22904

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agatgattgg tgttgctggt gagacatgat cataaatatg aatgaaaagg aaaagggaaga 180  
gaggaaaaga atataaatca aaataaatat ttattgttta tgtaaatctg ttatttgttc 240  
tgcatacaaa gaaaggaaaa cagataaagt taatgataaa araraaagam cccaattcct 300  
ttttagctga taaaagargt tcagaagggtg atacaggcct taatttaarg atcatataga 360  
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<210> 22905

<211> 249

<212> DNA

<213> Homo sapiens

<400> 22905

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ggggatgcac agcacagggg agagagattg cgcatgttgg tcagtcgtgt tttaaagagt 180  
acagtgcggg gaggctgaga ggggcgcatg caacaacaac ttttggaagg atggaagaga 240  
agaggcgag 249

<210> 22906

<211> 131

<212> DNA

<213> Homo sapiens

<400> 22906

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aaaggagttt a 131

<210> 22907  
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<212> DNA  
<213> Homo sapiens

<400> 22907  
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ttgtatgttt agtagagacg gggtttcacc atgttgggtca ggcaaa 106

<210> 22908  
<211> 334  
<212> DNA  
<213> Homo sapiens

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attgggagtt ttttaaaaag acatkkkcat agccaacaag aatcagtaga agtgctggga 180  
gcagcagctg gggaagctgc cggccacggg ctctgccctt ccagctggag ccgcccgtgc 240  
ctccaggggc caagaggatg atgtcgtggc ctcvattctc gtttctatgc agccccatag 300  
tccaaggaca cccagtccac atctaccata cagc 334

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<212> DNA  
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caccagtggg attaccaggg gatatgaata gctaagctat actttaggca caaaccagca 180  
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ttaatctgtg tattgtatac tgctgcaaaa aactcattaa ccacaattaa attatgaaag 300  
tacatgtgta aatttatgga tagcaatata caatccaaaa tatgagtttg ctataaaaaat 360  
aaagtatatg ggtagtc 377

<210> 22910  
<211> 100  
<212> DNA  
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<212> DNA  
<213> Homo sapiens

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 tacaaaaatt aactcaagat ggattaaaga cttgaacgta agacctaaaa gcataaaaaac 180  
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<210> 22912  
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 <213> Homo sapiens

<400> 22912  
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 gaacctcgga ggtgaccaga aagatctcca tcggttgccc aaggctgtaa gtagtgatgg 180  
 ttttagcgat gaataacgta attggctatg aagtactgtg gcagagctgc tgttttctga 240  
 aggtgagca 249

<210> 22914  
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 <212> DNA  
 <213> Homo sapiens

<400> 22914  
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 gttacaccat ccattctggt aattttgaaa aaatataccc tccctttagt ttgttggggg 180  
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<210> 22915  
 <211> 289  
 <212> DNA  
 <213> Homo sapiens

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 acaatatgaa tttcttttat ctgtcaatct caaggtagaa ttcctcatat ttctgataat 180  
 gccaaatacc atgaaatgtc tcaaaaaaga cttgacttta tataccagtt gtttgtcttg 240  
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<210> 22916  
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 <212> DNA

<213> Homo sapiens

<400> 22916

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gctttgttaa	acagatgctt	gaaggcagca	tgctccttaa	gagtcacac	cactccctaa	180
tctcaagtat	ccaggagac	aaacactgcg	gaaggcgcga	ggtcctctgc	ctaggaaaac	240
cagagacctt	tgttcacttg	tttctttgtt	cacttgttta	tctgctgacc	ttccctccac	300
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<210> 22917

<211> 255

<212> DNA

<213> Homo sapiens

<400> 22917

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cccaagtyct	cccaaatttg	gaaaccctga	gaaaccctga	aaatactctg	tcctgggctt	180
atatgcctta	gacacaactg	ggattgctga	gctcaagggt	tgcaagagcat	cctactatgg	240
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<210> 22918

<211> 200

<212> DNA

<213> Homo sapiens

<400> 22918

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ttttatttta	aatggctagc	tgttgtccca	atactattta	ctgaaaaatc	tacattttgc	180
tcactctttt	tttttttttt					200

<210> 22919

<211> 178

<212> DNA

<213> Homo sapiens

<400> 22919

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gcaattagat	gtctctcttt	ctgcaacagg	cccacagttt	ttgtcagttg	agccagcgca	120
ttcagttgca	tctcaaaaaa	ccccacctc	cgcttcagc	atgcttgaac	ttgagaca	178

<210> 22920

<211> 331

<212> DNA

<213> Homo sapiens

<400> 22920

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attttgaaat	aatctttcat	caagttccat	ctcctttacc	ctcatatgga	atatactctc	180
ctgtctgttg	ttaaactatg	atgacatgtc	tgtagctatc	agaaagagaa	gctgggaaga	240
acatgtgacc	cactggatgg	gacagccttt	taattctgat	gatcgtaaca	cagcatgtca	300

tcattggacta gtagctgaca gcttgcaggc g 331

<210> 22921

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<212> DNA

<213> Homo sapiens

<400> 22921

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<210> 22922

<211> 472

<212> DNA

<213> Homo sapiens

<400> 22922

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cctgtatctc	tatttttcgac	ctcacaaggt	actgacttgg	gcaacagcag	tgactacaag	120
tgccatactg	accaattgga	agagtctttg	cttatcggag	ctgttctaaa	aggcttatta	180
gtttttgggc	ttcattctat	ttaatgtttt	catgccttta	taaacttttt	acttccagcc	240
caatttttcc	cattgtcttg	gtacagggtc	gctgtgtcca	agtttgtag	ggtttcagct	300
agccaaaaat	ggtattttca	tttgctgaaa	ttctaaacaa	aataattaaa	gttaaagcac	360
agatgatgat	gtacacttat	ttttctacat	gtgggaaagc	ttgattgata	gtaatgatta	420
gcgcctgcat	ctcacaatca	ctgagaaatg	aatgcagcac	tgagctctgt	tt	472

<210> 22923

<211> 299

<212> DNA

<213> Homo sapiens

<400> 22923

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aggagaatcg	cctgaaccca	ggaggcagag	gctgcggtga	gccgagatcg	cgcaccattg	120
cacttcagcc	tgggcaacaa	aagcgaaact	ccatctcaca	ttaaaaaaca	aaacaaaaca	180
aaacaaaaaa	aaagagactt	tttttgttat	gttgataaat	taattctttt	ttccaaaaga	240
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<210> 22924

<211> 353

<212> DNA

<213> Homo sapiens

<400> 22924

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gagtgtgtcc	ccaggtcacc	ttggttctgt	ggacgctgag	agcaggcctc	ttgtaatgca	120
agtgtctgaga	agacttagag	ataattaggg	cagcgtcttc	tctgcagaga	ggttgagcca	180
ctcagctggg	gtcaccagc	tggtcagtg	cagggagcca	ggctgcacgt	ctttgatttt	240
taacctacac	tctcaccagt	gagatcagcc	ctgggcagcc	tgtgaatctg	atcgtgttac	300
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<210> 22925

<211> 109

<212> DNA

<213> Homo sapiens

<400> 22925

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<210> 22926

<211> 199

<212> DNA

<213> Homo sapiens

<400> 22926

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actgagactg gagacagacg gcaacagcca caggcagact gaggtggcaa taggaaatct 120  
gccgagatgt tcagtcaggt gcccaggacc ccagcctcag gctgctacta cctaaattcc 180  
atgacacctg agggcctaa 199

<210> 22927

<211> 127

<212> DNA

<213> Homo sapiens

<400> 22927

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<210> 22928

<211> 148

<212> DNA

<213> Homo sapiens

<400> 22928

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cagaaaaagg ataaaaaaaa aamcaaar 148

<210> 22929

<211> 183

<212> DNA

<213> Homo sapiens

<400> 22929

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aatavagaat atataaaaa caacctttaa tttctccagt attttcacct aagcccacct 180  
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<210> 22930

<211> 520

<212> DNA

<213> Homo sapiens



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aagcattttt ccttaatttt tttctctcag aacgatatcg cattcagagt gaacaatttg 180  
aagatccttg gctcataacc aatgagctta ttcttcgcct tcaagaatat tttgaaaaac 240  
agggagtcaa agattttgca tgttcttttt cgggatctat accccttcaa gaatattttg 300  
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aaatatatga aagagaaata gatgctaymg aaggattctg tatgcatgcc attaggctat 420  
gtgcttctag ttgtttttct tatgtggatg gtggatttcg tgaatccatt cctgcccact 480  
tgccnagttt gtgancaatt acagacatta cagaatggct 520

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<211> 139  
<212> DNA  
<213> Homo sapiens

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gagttatttt actttttttc atattaggcc tttgaaattc agtgtgtatt aaacacrtct 120  
caattcmaaa ccatcacgt 139

<210> 22932  
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<213> Homo sapiens

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ttggtatagc gcatgtcaca gaataggata gct 213

<210> 22933  
<211> 408  
<212> DNA  
<213> Homo sapiens

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gaattgttck ttgtwtctgt dtttacttct cttttctgct ttttctggtt ttaatagaga 180  
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<210> 22934  
<211> 231  
<212> DNA  
<213> Homo sapiens

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ctccctacca tatagttgac agtgggttagg aactctccct ttcctacct accttccttt 180  
taatagcaga attcctattt ttccttgat tatgtgtatt gatcacctg c 231

<210> 22935  
<211> 258  
<212> DNA  
<213> Homo sapiens

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ctgcatgcaa gagcgtaaca gtttctgtgt tacttaaccc tactgctgct tgtaatgctg 180  
caaaccggaa aataacctta catggccttc gtaacattta atgctccttc cccctcttcc 240  
tcttccctg ggcaaatg 258

<210> 22936  
<211> 154  
<212> DNA  
<213> Homo sapiens

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taggttctctg ctgtagtttt gtacgacctg gctg 154

<210> 22937  
<211> 386  
<212> DNA  
<213> Homo sapiens

<400> 22937  
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actcaattgc aagggttgagg gataatcttc tcccagctct ctttctctct cctacagttt 180  
cattgcattg cctcatctct cttttatctt ttccttatg agttatttca gcttcctttt 240  
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aattttagaa cttgagatcg ggctcg 386

<210> 22938  
<211> 248  
<212> DNA  
<213> Homo sapiens

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catgtcatal tatcttgagg ccacttattt atcagatgag ataatgactg tatcaactct 180  
gtataaacca taaagtgcta cataactatc acttatgttg ctgtagttga taaaagtga 240  
taagcctg 248

<210> 22939  
<211> 263  
<212> DNA

<213> Homo sapiens

<400> 22939

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gccc aaaaga	ctcatttatg	aatagaaatg	tgggggtcaa	atctgagata	ctatatattga	180
ggacatttca	gctttccata	aggatatctg	aaaccagctg	tctttgtgtc	ttatgaaacc	240
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<210> 22940

<211> 230

<212> DNA

<213> Homo sapiens

<400> 22940

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cctgataagg	agcgtcascg	acaggaagct	tgggaggctg	tgggaatggg	tctgccccca	180
gcttcacaga	cctcttcctc	cagcctctga	atcccattag	ccacagccgg		230

<210> 22941

<211> 392

<212> DNA

<213> Homo sapiens

<400> 22941

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tattctatcc	atcattgagg	ggcatctaag	ttgattccgt	gtctttgctg	ttgtgaatag	180
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gtatatacca	agtaatggga	ttactgggtc	gaatgggagt	actatgttaa	gctctttgag	300
aaatctccaa	actgctttcc	acagtggctg	aactaattta	catttccacc	agcagtatat	360
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<210> 22942

<211> 124

<212> DNA

<213> Homo sapiens

<400> 22942

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<210> 22943

<211> 270

<212> DNA

<213> Homo sapiens

<400> 22943

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tcctctccaa	tagggtttac	attctagtga	gagaagcaag	acatgaacag	tgataattaa	180
taagttctat	agtatgtaga	aagtggtaag	taatgggaga	aaaaaagcag	tgtaaagggg	240

aatcgattgt caagagggtgg aggtggagca 270

<210> 22944

<211> 146

<212> DNA

<213> Homo sapiens

<400> 22944

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tgatcatcgt ccatagaggc caccgtaccc gacgtttgcg gacagtgaca aagagtcaag	120
cttgggtggag cctgaggaca ggacgc	146

<210> 22945

<211> 457

<212> DNA

<213> Homo sapiens

<400> 22945

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ctccctactg aacaaaaaaaa gaaatgccag acttactagg agaatcgagt tgctttgagt	180
ttcttttggt ttgttttggt ttgttttggt ttgtwtgtt ttaaggctcc cttacacac	240
cctcctttaa gctttgggtt ttctctctta tagtttggtg actagatata tgctaaaaat	300
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agctgacggg ggtcaattcc ttctattaag cagtgatctg atttctccac atggccattc	420
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<210> 22946

<211> 382

<212> DNA

<213> Homo sapiens

<400> 22946

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gggcctctga tgagggtgggc ctcgccccct ccatcactcg cagcctcgag gagagcacca	180
gctgtctggc ttcatttgca tttttctctc ccaaataacg aaattagcca tgagtttctt	240
gagggtgatgc aagacgcaaa tttaggctag atgtgtcagt gtgtgatgga gagggaagg	300
gaaggtcagg gaagtatttt gataatcaat ttgcagcact aaaacagaag gggaaagcaa	360
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<210> 22947

<211> 229

<212> DNA

<213> Homo sapiens

<400> 22947

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taaaagatgg agtctcgctc tgtegccag gctggagtgc agtggcgag tcacggctca	120
ctgcaacctc cgctcctgg ttcaagcgat tctcgtgcct cagcctcctg agtagctggg	180
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<210> 22948

<211> 297

<212> DNA

<213> Homo sapiens

<400> 22948

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tatcccttct	acctcccctg	ctgctctact	caggtagctt	gtgggacctc	actgcagcca	180
cctggagaaa	agaaccccag	cttcttttgc	agtttctcta	tcttttgcag	tttctgtca	240
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<210> 22949

<211> 206

<212> DNA

<213> Homo sapiens

<400> 22949

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ttcttctctg	aactgagagc	ttaaagccatt	atatctgcaa	acagtgtaca	cattatTTTT	180
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<210> 22950

<211> 194

<212> DNA

<213> Homo sapiens

<400> 22950

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acagccttgt	tttgtttgta	aaaatggaaa	ataattaatg	ttagccccct	ctatagcttt	120
tatggatccc	arrctaagag	gctgtcttct	aatttttagat	atggcattgt	tctgtattat	180
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<210> 22951

<211> 340

<212> DNA

<213> Homo sapiens

<400> 22951

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aatcagcagt	taagaagggt	ctagaaccca	tgaaagcttt	tgtatgtatt	actaggtttt	180
gtttttctta	tgtttgctga	ttttacagtt	ctgactaaag	ctgacctaaa	tggatcagtt	240
tatgtgtaat	attctagtgc	tttaatgact	ctktttttct	ttggagggag	ggtaacatta	300
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<210> 22952

<211> 358

<212> DNA

<213> Homo sapiens

<400> 22952

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ggacggggca	cgggatttgg	agcgtggaag	gaatcgggac	ctaaaggagt	cccaggacac	180

cggaaccagg	actccccggc	gcacccggag	agtttccgag	ctcctttgaa	gtatgaatca	240
gaacttctgg	atgggaatcc	tggagccacc	acttgcccta	tggtcgcaat	gggcaagtgc	300
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<210> 22953  
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 <212> DNA  
 <213> Homo sapiens

<400> 22953	
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cagctatgac tgccgcatgt	
yaatwgctgc cgctgggtcc	120
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gagcctgact ccgaagtgtg	
actgggagag acatttgaac	180
cctcttttct tttcgctccc	
cttttgcccc cttgggggtgt	
gtgaagcgag gaacgtaaag	217
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<210> 22954  
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 <212> DNA  
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tttttaactg aatgtgacct	120
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gcagcgtgga gaaatcctaa	152
gagaaatagc ataagagcat	
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<210> 22955  
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 <212> DNA  
 <213> Homo sapiens

<400> 22955	
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gcttgcgcat ccycccactt	
acattctctt ccagcccctc	120
ggcccctcta aattcccttg	
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ttttcagcgc ttgccatccc	180
tctaggctct tggcagactg	
agctgcatcc gcattcacct	
cccctcctcc tcctttccct	240
atccttactt gggagtcccg	
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ttcctgctcc ctgcccattc	277
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<210> 22956  
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 <212> DNA  
 <213> Homo sapiens

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ttttctcctt ttgggtatgt	180
ttcatgtctt caatttagca	
attcacttgc atttttattg	
agatcttgta aatttataga	240
gaaatgaact tgcttctttt	
attcattcca cattactata	
tatagtcctc ttcctttttt	247
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<210> 22957  
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 <212> DNA  
 <213> Homo sapiens

<400> 22957  
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acgagacacc gtctacaaat tattttaatt agctgggagt gatagtgaat gcctgtgagg 120  
gaggctgagg ctggaggatc acttgagccc aggaggtggg ccgtgtttgc accactgcac 180  
tccagcttgg atgacaaggt gagaccgtct ctcaaaaaaa aaaaaaa 227

<210> 22958  
<211> 64  
<212> DNA  
<213> Homo sapiens

<400> 22958  
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cacg 64

<210> 22959  
<211> 247  
<212> DNA  
<213> Homo sapiens

<400> 22959  
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ccatgccgtc cggcgtgatc ttgacgacgg tggtgccgtc gtattccacg aagtagacgg 180  
tgccgtccgt gtcgacgacg aggcgcgtcg aatcgaagat cctggcggtg aggcccttgc 240  
cgteccg 247

<210> 22960  
<211> 105  
<212> DNA  
<213> Homo sapiens

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tgttctaagt gtttgccctca tttatttaaa actcgctacc accca 105

<210> 22961  
<211> 213  
<212> DNA  
<213> Homo sapiens

<400> 22961  
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ggaagagaag caggcgaccc ttcctgagtt atcctggctt agcctcccaa tctggctccc 180  
cttccccttc ccattcccct gctccccctg tcc 213

<210> 22962  
<211> 315  
<212> DNA  
<213> Homo sapiens

<400> 22962  
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ctatccgtta	ctgaaagtgg	gctactgcag	tctcctactc	ttactgtaga	actatccatt	180
tcttcctttg	attctgtcaa	tgtwtgtttc	atatattttg	ggctctgatg	tttgggtgcat	240
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aggatgtctg	ggatt					315

<210> 22963  
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aaacatgaat	gaactagaag	atattaaaaa	catttgacat	tggttaagaaa	tattgatact	120
gatattgatt	tttatatagg	tattttatttc	agaattgata	ttttgagaaa	aatacatgtg	180
agtcattttt	tctgttttctc	ttttctctta	acgattatca	ctgtaattct	gaatctgaaa	240
ggtaaaacaa	ttagtcaaaa	tattattgcc	atcattctac	ctgtgttatg	aaactactta	300
ttcatagtta	attctcatta	acacttacat	ttccataaag	aaaactcaag	tattaataar	360
agagacttta	ctggcttaag	agggctgtga	aagatttttg	atagtgaatc	atgaccctaa	420
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tcaggcacct	ccgctgagct	tttaaaccac	gtcattggga	cttagcgtct	ttctaccggg	180
caggggaagg	aggagttggc	aagaatttgg	ctcaccatt	ccccctgcaa	gcctccagcg	240
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<210> 22965  
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 <213> Homo sapiens

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<210> 22966  
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 <212> DNA  
 <213> Homo sapiens

<400> 22966						
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ccccg						125

<210> 22967



<211> 201  
<212> DNA  
<213> Homo sapiens

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gatttgttta gactgaagga agacgttttc ccaaaatata ctacagaagt gctacaatat 120  
ttgcgatatt aaaatgcctg cagattgaaa atggggggcca ctcatttcag aactgcagga 180  
atggtgtagt tacagatgcg a 201

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<211> 246  
<212> DNA  
<213> Homo sapiens

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ttccatgaat caccagact ccaaagggtt aaaatgggat gattgtagtt tcccaaagtg 120  
gtgtattaca ggtcatgctt acatattttt gcagggtgaat wttgtgggtt ttcaaattac 180  
ccaggaactg taactatccc tctacttttt gtgtatgtgt ggcagtgtgg agataataaa 240  
agagtc 246

<210> 22969  
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<212> DNA  
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ccacgctcag ctaatttttg tatttttttag tagagatggg gtttcaccat gttgaccaga 180  
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gatagcttga gccaggaggt tcgagacctg cctgggcaat atagcgagac cccgttctcc 300  
agaaaaagga 310

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<212> DNA  
<213> Homo sapiens

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aatagcatca aatgcaaaaa ggttcacact aaaggaaact cctgattagg tattaatgct 120  
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acattttgaa ggtggcctta ttttgtgata gtctgcttca tgtgattctc actaacatat 240  
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<210> 22971  
<211> 377  
<212> DNA  
<213> Homo sapiens

<400> 22971  
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<210> 22972  
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 <212> DNA  
 <213> Homo sapiens

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agagagaatg	gaagtgatcc	ggagagctag	gcagagacca	cattatgaat	aatgaggggt	240
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<210> 22973  
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 <212> DNA  
 <213> Homo sapiens

<400> 22973						
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gccaagtcc						129

<210> 22975  
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 <212> DNA  
 <213> Homo sapiens

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tatctaaaaat	attatgtttt	tgatgtgaat	cawtataaaa	ttatcaataa	gattcaaaaa	120
aatctttttt	tttt					134

<210> 22976  
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 <212> DNA  
 <213> Homo sapiens

<400> 22976  
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 aatggaaaat agtatggtga ttcttcaaaa aattaaaaat agaatatgat catatgatcc 180  
 agcaattcca cttctggact cctgggtaga tacctaaaag aattgaaagc agggctctta 240  
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 ccca 304

<210> 22977  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

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<210> 22978  
 <211> 367  
 <212> DNA  
 <213> Homo sapiens

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<210> 22979  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 22979  
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 ttttatacac agttttataa caagcacagg aa 152

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 <212> DNA  
 <213> Homo sapiens

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 agcaagagaa acaggcagca gaggaacca aaggcagtaa atcaaattatt ctaaaaccca 180  
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<210> 22981

<211> 323  
<212> DNA  
<213> Homo sapiens

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cactagccaa actgaaactc tatgcaacat taaaagaaga gatccatcat gtagcttgtg 180  
acacttttat tttattagtc accggggaac ttttcagtga tgaaaataca cagggttaata 240  
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<210> 22982  
<211> 212  
<212> DNA  
<213> Homo sapiens

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tcttattttc cctgagtatc caagtatagt gcagattcta tgtaaaacta ctaaattgaca 180  
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<210> 22983  
<211> 133  
<212> DNA  
<213> Homo sapiens

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<210> 22984  
<211> 277  
<212> DNA  
<213> Homo sapiens

<400> 22984  
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ggtagctatg gtaattactt tcttgccctt ttcttttttt ttcataaggg cagccccctg 180  
aaccagaata ggttcaagat agactccctc attctatgac atagaatgag atgtgtcctg 240  
attttaaata aaattgaaaa aaaaacaaca acccggt 277

<210> 22985  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 22985  
taaaagagaa actcaccata atagtgccgt ctaaaaatct ttgtaaagt ttttaaatgt 60  
cctttagaag tgggagtctg gtggaactgt gttggattta agataccttt tcactcttcc 120  
gtatgtcatg agccttgtgc gtcacctcac tgtggtgcat gtgcaagggc gtgtgcacgc 180

ctgtgctttg ccatcccatg ttgtaaacag ctgtyccaaa ggcagc 226

<210> 22986

<211> 183

<212> DNA

<213> Homo sapiens

<400> 22986

aacagctttg	ttctggtatt	ctggtgtaac	agacaacaca	ccagacatat	ttaaggtata	60
aaacgtgatt	hcctttgaca	ggcatttacc	atcaaatacat	ccccacaatc	gaaatcatgc	120
acaatcccc	aaggaagtca	cccgggccct	tccgtgttcc	ctgcactgcc	cctccgcacc	180
cct						183

<210> 22987

<211> 130

<212> DNA

<213> Homo sapiens

<400> 22987

taagataaca	actttgccat	tatccatcga	ttcctcttcc	ttaccaacac	aatctattac	60
agattgtaat	ttttaaaaa	tttataggag	tcattttaaca	tgtactttat	acttttctcc	120
tcccagctgg						130

<210> 22988

<211> 228

<212> DNA

<213> Homo sapiens

<400> 22988

gtatcaccta	aacaagaaca	tgaagatagg	aaacatgaca	aagtcactga	taaaggaagt	60
gaaagtggga	cttcctgtaa	tgagctctcc	acttccagtt	gtgacagcca	ttcagaggca	120
agcactcccc	aggacaaccc	atccagtgcc	cagcaggcaa	cagctcacca	acctaact	180
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<210> 22989

<211> 160

<212> DNA

<213> Homo sapiens

<400> 22989

aggctgcgaa	aggggcgtaa	cgatgagcgg	ttcctgccag	aggctctggg	aggataaaaa	60
gcaggaggaa	gaggcgacgg	cggcctgtgg	acgtcttgca	ggggtccccg	aagccaagca	120
gggtcccaag	gccgattcag	actccgacct	agagacggca			160

<210> 22990

<211> 167

<212> DNA

<213> Homo sapiens

<400> 22990

taggctggaa	agaccttatc	tgaaggctcag	aaacattgac	tcagaaaaaa	ggtatgaagt	60
ctttccataa	aatcttttca	caatattact	cctattttctt	ttagatttta	atgagccatt	120
acttatctct	tcagaagact	taagtcttcc	tttatactca	gtgaaca		167

<210> 22991

<211> 298

<212> DNA

<213> Homo sapiens

<400> 22991

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tctttaagtt	ttaatttggt	gtcatactgt	ctgtgctgat	ggcttggctt	aagattttga	120
tgcataaatg	aggtcactgt	tgatcagtgt	tgctagtagc	ttggcagctc	ttcataaaag	180
catattgggt	tggaaagggt	tttgcctatt	tttcaaatta	tttaatagat	gtatgggtacc	240
atttaaaagt	ggttgtatct	gaatttactg	tggggataac	atacactgta	atgggggtt	298

<210> 22992

<211> 182

<212> DNA

<213> Homo sapiens

<400> 22992

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ctccaggcct	ccctgcttgc	agtcacctgt	gccaaggcct	ggggcaggca	tcgtaaaacc		120
acttctctct	ggctataggc	agtggaacag	ctaaatatca	aggccaagaa	cttccgggac		180
ac							182

<210> 22993

<211> 228

<212> DNA

<213> Homo sapiens

<400> 22993

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ttctcagtct	ctgtccactt	gagaacaaaag	gaaaggacct	tgtctctttc	atttcagcgc	120
cacatcccag	cactacacca	gtgcctggca	cccagtagat	attctgaaat	gtcagtggat	180
ggatgcctat	ttacatactg	tgcttttctt	gtccctcagg	gccagaag		228

<210> 22994

<211> 276

<212> DNA

<213> Homo sapiens

<400> 22994

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taataatatc	aaattgattt	ccaaaatggg	tgtatcaatt	tataatcagt	aacttttcca	120
gtkactgaaa	agtatcagaa	agtttttcaa	cttcccatgg	atgaaagtgc	ttcctctttc	180
gcatccctgc	caacattttg	tgtggtcagc	attttttatt	tttgccagtc	tttttgcata	240
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<210> 22995

<211> 152

<212> DNA

<213> Homo sapiens

<400> 22995

accagccaag	acaatgacag	gkttccccag	gggaagagtg	ggccaaactc	tggactttct	60
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gtctcttwtt acttttaata tttaccccccac ct 152

<210> 22996

<211> 345

<212> DNA

<213> Homo sapiens

<400> 22996

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aggaaatgaa	aatactatTT	ctcactgttg	ctcacattaa	aaatttgaat	aactttaaac	120
tttgTTaaaa	cccagtaaat	ctgaaattta	gcacccataa	tttaccatct	agcatcgtct	180
gatatccttg	cccagtcac	attgtTTTT	gtttctaat	taactttagc	ccttgcaata	240
gttctcta	tggtcttct	gtttacatta	ttacacattg	tattccatca	tctgcaaact	300
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<210> 22997

<211> 208

<212> DNA

<213> Homo sapiens

<400> 22997

cccataaact	gtctactctt	tgtctTTaaa	ctaggccatc	ctgctactct	atgaacttat	60
tgtctgta	tttggtatta	ttctgaagt	ttgccttatt	tgtaattga	ttcttggtatc	120
tcttttatt	catcaagtga	aatataaact	gaaggcaggt	ccagagtctg	attcgTTTT	180
tcactccctt	cttctgcaca	cccaacaa				208

<210> 22998

<211> 198

<212> DNA

<213> Homo sapiens

<400> 22998

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agtgtctggag	atggaccccc	ttccatctag	taagcctttt	cagaagtatt	cctggtcagt	120
wactgataaa	gaaggtgctg	ggtcttcagc	tctaaagagg	ccatttgaag	atggattagg	180
ggatgataaa	gaccctg					198

<210> 22999

<211> 211

<212> DNA

<213> Homo sapiens

<400> 22999

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agaggaacag	gaaccagagc	cgcgcgaggg	ctctcggycg	gngagccagt	rccctgaaac	120
tctaattctca	ttgcctggcc	agaaaaggaa	gtaatcccta	gtgtcagcag	attcagcggt	180
actggtgtat	aataggatca	ccaatatacc	g			211

<210> 23000

<211> 279

<212> DNA

<213> Homo sapiens

<400> 23000

catatattgck	gctacagtrg	ctcaatatatt	tacaggggcta	acataaaagct	ggctccattt	60
aaaaactgga	gtacttccta	gtgcagccag	cctagggcgga	aactgtacac	catgggtcttc	120
cagatgggtg	actgatggct	ttgggtagct	gatgcatgct	ttaatatattg	cctatagccc	180
ggcagcaagg	aagtcggggc	gggggggactt	ttttaccctg	ccagtkatag	cattgtgatt	240
ctttctgggc	actggcattt	tgtgaaactc	tcaaggacg			279

<210> 23001  
 <211> 331  
 <212> DNA  
 <213> Homo sapiens

<400> 23001						
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aaatccatgt	gactgtttcc	accatcttgg	gcatttgtgg	ggacccccag	actggagggg	120
gaaagcccta	caaagtggat	gggagtgtgg	ggctgaactt	ttccctaccc	ttactttgt	180
gtctctggga	cctccagggg	cctggccccct	caccaatgca	tatgaagagt	atgcttgggg	240
aagagcttag	gaatgggggtg	agcatgggag	tkctgggtag	cagcctttga	gcaaactctgc	300
atcttctctt	atctctgacc	tttttccatg	t			331

<210> 23002  
 <211> 126  
 <212> DNA  
 <213> Homo sapiens

<400> 23002						
ggggcctcta	gccggccccga	tggagcgcg	gggcgctact	agccgcgggg	gccaaagctcc	60
tggcttctta	ctgcggcttc	atactgaggg	ccgagccgag	gcggcgcggg	tgcaggagca	120
ggaccg						126

<210> 23003  
 <211> 232  
 <212> DNA  
 <213> Homo sapiens

<400> 23003						
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gaccaaggga	caacaagagc	tcaggagaag	gggagaaaca	ggtcgcccag	agagtagaca	120
atccagggtc	tgaggaggct	ggctgtgcgg	tttatttttt	ctctccacaa	agacacacac	180
tgtctaaact	gtgtggctgg	ttgttactaa	gaagctgctg	cgagagggaa	ag	232

<210> 23004  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<400> 23004						
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aaagaaagtt	taaactcaag	aagaaagatg	ttgacagtct	atgtaacagc	tggaaaagtt	120
tataggcacc	cacctttggg	acaacccagt	gattatgaac	atgtgatatc	tactatttaa	180
aagaaatgtt	ctcaccttgg	gttgattgtg	gtataccatg	tggtatgaaa	attgttgagc	240
tgaagctttg	aatcgattta	gttgagtctg	actcacttgc	tttggttcct	gtgtatttta	300
ctacccctct	tgctcagtgc	cttcctt				327

<210> 23005



<211> 100  
<212> DNA  
<213> Homo sapiens

<400> 23005  
ataaccgctg ggcagcgggc agcggacagc gggcggcatg aaccgccccca ctttgccgga 60  
tacctggagc tgcaggaacg acccacaccc aggcctcttg 100

<210> 23006  
<211> 357  
<212> DNA  
<213> Homo sapiens

<400> 23006  
gcagttggcc ccagggtctt ggtgggtttg acattatttc atggatttga tgtttttggt 60  
tttgtttttg tttgatggg gggttcagtgc ctratggcga aaccccagaa gatgaaaatc 120  
caacagagga aggagcagac aactcttcag caaagatgga agaggaggag gaggaagagg 180  
aagaagaaga agagagcctc ccaggatgta ctctgtttat taagaatctc aattttgaca 240  
caacagaaga gaagctgaag gaagtgtttt caaaagtggg gacagtgaag agctgctcca 300  
tctccaagaa gaagaacaaa gcaggagtgc tcctttccta ctaagattat gcccaga 357

<210> 23007  
<211> 158  
<212> DNA  
<213> Homo sapiens

<400> 23007  
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gagtaaatat ttgatcttaa acttagcagg tgcactggca tcagtacttc tcaggaagct 120  
ttccccaaac tcaaattctgc tgtgaatgac ccaaccg 158

<210> 23008  
<211> 255  
<212> DNA  
<213> Homo sapiens

<400> 23008  
gaaccagtgt tgggctaaag gcggactggc agggggcagg gwagctcaaa gatctgggggt 60  
gctgccagga aaaagcaaat tctggaagtt aatgggtttg agtgattwtt aaatccttgc 120  
tggcggagag gccgcctct ccccggtatc agcgcttctt cattctttga atccgcggct 180  
ccgcggtctt cggcgtcaga ccagccggag gaagcctgtn tgcaatttaa gcgggctgtg 240  
aacgcccagg ggaa 255

<210> 23009  
<211> 297  
<212> DNA  
<213> Homo sapiens

<400> 23009  
aataagtaag ccagcctaac aggcaacaca aagggtgaag caaatgcatt gccctgtggt 60  
aataatatca gtgaaagcat gtgtggggta cagaggtagc aaagaatgca agagatttta 120  
atgctgtcca gttgagggca agaaaacctc tctggaaaag gtgacaatta ggttttaagg 180  
ataaatagta gttttcctat ttaggggagc cactccaggt agagaaaacc tggagtagtt 240  
ttccatgcct gaaagagcct ggtgtgttaa gacagtttcg aacagtactg ccagatg 297

<210> 23010  
<211> 96  
<212> DNA  
<213> Homo sapiens

<400> 23010  
atTTTTGCCG gggTTTgaat gtgaggcgga sggcggcagg agcgggtagt gccagctacg 60  
gtccgcggct ggcactaccc tctctaattg cccttg 96

<210> 23011  
<211> 103  
<212> DNA  
<213> Homo sapiens

<400> 23011  
ttctgactgk ggatgaaatg gtatctcatt gtggTTTTga tttgcatttc tctaattgatt 60  
agtgcggttg agctttgttt atatatgttt gttggctgct ctg 103

<210> 23012  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 23012  
agccagctag cTTTTtgag tkttaaaaag actttcagaa gtcttatttc tccccattg 60  
aaaggaggga aaagggtttt tatacagtwc cttctcttga gagaaatgtg gaaacagtgg 120  
gaccagtga gttccttccg ataattgaaag agcgatatct gtgtctgmca ggaggcttga 180  
gatgattttt atggacacac caagaaataa ctgcattcag aaacagggtct ctgtkctagg 240  
atgtcccgcac ccagtgggtgc atgagatcgc ctatcagtac ggaaaaaatg taggaatagc 300  
ttttcagcta atagatgatg tattggactt cacctcgtgt tctgaccaga tgggcaacca 360  
acatcagctg atctgaagct cgggttagcc actggtcctg t 401

<210> 23013  
<211> 149  
<212> DNA  
<213> Homo sapiens

<400> 23013  
cctaattgtt ctgatttctt actcttgttg ctgatataca gaagcagcta caagagctga 60  
aagatgactg tgcacttaat gtcttttagtt gaaagaatta tttagctaaa gaaacacagt 120  
cattagctat ggaatttgag agcctctag 149

<210> 23014  
<211> 253  
<212> DNA  
<213> Homo sapiens

<400> 23014  
aaaatataac attaactaat ttataaaaaa tattctatgt aatgcaaaat acttgaagct 60  
gcagtagctt ggTTTTaaac aaaaacaaaa aaaaaactga gagaaaacct atcagaagga 120  
ctaaaagtac gccttgcttc agggttggct cagggtggtga acttcatgct gggcatctat 180  
gcagagccac cTTTTggatt gcatggttgg actgrgatct attgggagaa attatatatg 240  
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<210> 23015

<211> 93

<212> DNA

<213> Homo sapiens

<400> 23015

gggggagctg	cggttccgag	aagcggcaga	cggcagccag	aaggcttggg	ctgttgagta	60
agcagccccc	tctcagtc	ggccctcccc	gga			93

<210> 23016

<211> 240

<212> DNA

<213> Homo sapiens

<400> 23016

aaatcagttt	ttagttaact	tttaaggcta	ttcaccatga	tttaaagtga	ttccttgatt	60
cctctgttac	attaagtgtg	attgaaactg	tacctttatt	ttctcatgcc	ttgataagca	120
gtgtagtcaa	atcataacat	attatgactg	caatcaagtg	attatagcac	gtgattatac	180
tttttgtctc	tgtggcgtga	ggagtggaaa	ggtgtctttt	tttgcaccac	ttggcacggt	240

<210> 23017

<211> 147

<212> DNA

<213> Homo sapiens

<400> 23017

acaagatcca	tccatacaag	tagtgaactc	tccatttcag	gagcaatgga	ctaataatc	60
aggaatcgct	ccacttggca	cccacgacgg	tggaataatt	catcacagcc	aactacagag	120
actatkacat	caggaataaa	gaaaagc				147

<210> 23018

<211> 214

<212> DNA

<213> Homo sapiens

<400> 23018

tgaagaaccc	acattttcca	atttcaaaac	ttcaaagcta	cagtaatcaa	gatagtgtag	60
tataaggaga	gacatataaa	ttaatggaat	agaactgaga	gtataaaata	aacgctttta	120
cttatagtca	attaattttt	ggcaagtgtg	ccaagacaat	tcagtggaga	aagaatagtt	180
tttcaacaaa	tgcttctgag	acaaccggac	ctag			214

<210> 23019

<211> 176

<212> DNA

<213> Homo sapiens

<400> 23019

ttaatcttaa	agaatgatct	ggtgaggtgg	gtcgtattat	tatcccgatt	ttgcagagga	60
ggaaaccaa	gaaggacttg	gcccaaagac	ccttgctaac	aggtgttggg	acattatcca	120
aacgcagtgc	tctgactttg	tcaatctctt	aatttcttat	ttgccacgcg	gacttg	176

<210> 23020

<211> 144

<212> DNA

<213> Homo sapiens

<400> 23020

tctcatgggt	cttcatcabc	cttttatcag	gcttcagtca	ccatctattc	atccacccac	60
ctataccaaa	cacccacccat	ctcccgccat	tcattccatcc	actcaaccac	cctcttataa	120
ccatccctcc	atccacccac	cacg				144

<210> 23021

<211> 130

<212> DNA

<213> Homo sapiens

<400> 23021

catgagcaat	tccttcagct	ccagcaggct	actgacaatt	tgcttttaac	ccaaatccag	60
ctctaccctc	cctaaagcat	gcacctaggg	ccccagtcag	aaaaacaaaa	caaaaactaa	120
accagacatg						130

<210> 23022

<211> 218

<212> DNA

<213> Homo sapiens

<400> 23022

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cgagacagag	ttttgctatg	ttgctcaggc	tggtcttgat	ctcctggcct	caagcaatcc	120
acctgccttg	gcctcccaaa	gtgctgagat	tacagatgtg	agccaccaca	cccagtccaa	180
gtgtttctat	ttagttgata	atggacagac	ccacgaga			218

<210> 23023

<211> 220

<212> DNA

<213> Homo sapiens

<400> 23023

aggctcccc	tgcaaggcmc	agatgcaaag	gtaaaagcac	ctcgctccgc	agcatccaga	60
cctggagggg	ctgcgaccac	gggccgagcc	caccatttcc	ccagccaaag	gacggggccg	120
ccgctctcca	tggtactgcg	gagagctcag	ctccgccctt	ctctttcaga	aggacagcac	180
ccggcgtcac	gtaaccagc	cttctcaggc	tccaccagc			220

<210> 23024

<211> 196

<212> DNA

<213> Homo sapiens

<400> 23024

cattttattta	actgagggca	tgagtraagt	ataatagggt	attccactat	tctataagga	60
cagctgcttc	tgggttggtg	ggtatcacat	gataagacca	gtgattctcg	tctgctataa	120
cbcattattt	aacttggggg	ccttggttag	aagcaatgtt	gtccaagaaa	ctacaatcat	180
ttataagacc	taccga					196

<210> 23025

<211> 306

<212> DNA

<213> Homo sapiens

<400> 23025

ctggataaca	tctgcacatg	ttataaatta	acaagttttc	ctatTTTTat	ccctatatatta	60
gccacttttg	ttggtttctt	atgtatccct	ttagggttat	tctatgcact	gataaacata	120
catgagcaaa	tagaattata	ttttgcacat	tattctgaac	atggTTTTat	aattaaactt	180
ataccatatg	aactttcaca	tatttatctg	ccttaccatt	cttaaagtct	aagtatttta	240
ttgtacatat	ttataagtta	aagatataga	tttaagagcc	ttctgctggt	acacattagg	300
gccccg						306

<210> 23026

<211> 129

<212> DNA

<213> Homo sapiens

<400> 23026

aaaaaatagt	ggttgaatgg	tgtttaattt	gtacagtttg	tgtcaaagta	gaatgggcag	60
atattttggt	ggataggctt	ttgtcttagt	tataaaaatt	aggacatttg	gtatgataaa	120
ggcagaggg						129

<210> 23027

<211> 133

<212> DNA

<213> Homo sapiens

<400> 23027

aaaagtatat	caatggcaag	cattgtagag	tgTTTTtatt	aatgtctatt	ctgatatctg	60
ccttttaatt	gaaatgtctt	tcatttgcat	ttaatataaa	taataattat	aatgtttcat	120
ttaagtccac	caa					133

<210> 23028

<211> 369

<212> DNA

<213> Homo sapiens

<400> 23028

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tgtccttgag	aagtcctcac	agaagtcccg	gcgagascaa	gaacctacac	ggaggaggaa	120
ctgaatgcc	agctgacccg	gcgtgtgcaa	aaggcagctc	ggagacaggc	caagcaggag	180
gagcttaagc	ggctgcatcg	agcccagatc	atccagcggc	astgcagcag	gtggaggaga	240
ggcagcggcg	gctggaggaa	aggggcgtgg	ctgtggagaa	ggcgctccgg	ggcgaasagt	300
mggatcacag	caaatctaac	agcttcgccc	cggagcgcc	wctcctcatc	ggccagcccc	360
tctccagc						369

<210> 23029

<211> 95

<212> DNA

<213> Homo sapiens

<400> 23029

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<210> 23030

<211> 159

<212> DNA

<213> Homo sapiens

<400> 23030

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tgtggaggca tttgaagctg accttctgaa caccaaaaaa actccactgt aaaggctatg	120
ttgattgggt ttgtcagaat aaattgagca ctggcattt	159

<210> 23031

<211> 251

<212> DNA

<213> Homo sapiens

<400> 23031

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aattcagaca tcaggctggg cgcagtggct cagcctgaa tcccggcact ttgggaggct	180
gagacaggtg gatcgtggat cacgagggtca ggggttcaag accagcctgg ccaagatgct	240
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<211> 225

<212> DNA

<213> Homo sapiens

<400> 23032

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agtgcattgt gaattaatgg gacagtgtgc cttttgtgtt agatgttaga gcaaaagaaa	120
gggcttatag tgtagtatt ggagcacttt gaagatagat attttcagaa aagatgtagg	180
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<210> 23033

<211> 222

<212> DNA

<213> Homo sapiens

<400> 23033

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aatgacacgt gtgcgtgcgc acgcgtgtgc gtgtgtgtgt wcatctgtct gcatgtggat	120
caatttccttt tagaaaataa tttattgtat gatttatatt ggagttatat tctgattaca	180
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<210> 23034

<211> 121

<212> DNA

<213> Homo sapiens

<400> 23034

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c	121

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<210> 23042  
 <211> 87  
 <212> DNA  
 <213> Homo sapiens

<400> 23042  
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 <212> DNA  
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<400> 23043  
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<210> 23044  
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 <213> Homo sapiens

<400> 23044  
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93

<210> 23045

<211> 165

<212> DNA

<213> Homo sapiens

<400> 23045

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gcatgttctc actcataggt gggagttgaa caataagaac acatg	165

<210> 23046

<211> 398

<212> DNA

<213> Homo sapiens

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aaattttacc tctactgaag acgctgcata aatatggaaa gctttccccg aaagtaattg	180
aaccatggg tcgaagttag aagggtcctt aaaaatccac ttgacccttc taaattgttg	240
gctagtttat ttttgaacat ttctagtaat ggaagttgat tctgccctat ggccggccaa	300
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<210> 23047

<211> 179

<212> DNA

<213> Homo sapiens

<400> 23047

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<211> 234

<212> DNA

<213> Homo sapiens

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tgggcgcatg acgatggaga gcagggaaat ggactgctat ctccgtcgcc tcaaacagga	180
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<210> 23049

<211> 96

<212> DNA

<213> Homo sapiens

<400> 23049

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gcatgttctc actcataggt gggagttgaa caataagaac acatg 165

<210> 23051  
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<212> DNA  
<213> Homo sapiens

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aggcagtatt tactaagtgg aaattttcta cttatcacia tttttggaca cattaaaagc 180  
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<210> 23052  
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<213> Homo sapiens

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<210> 23053  
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actctgctac agtatgtgtc tgttctaccc tgggctgact cccctcgtga ttgcacaacg 180  
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<213> Homo sapiens

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tgtgcctgag	tdcctgtcct	ttctgcctgt	gactagagat	aggcatgatg	taaaaacacc	180
aggatctgct	gcttagcaac	cagtaaaata	ccgtatatct	ggataggcag	taacacagta	240
cttcattcat	ttctctttca	gtgtgatgaa	gagaaaaggc	ttttttgctt	ragaaacaga	300
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<210> 23055

<211> 406

<212> DNA

<213> Homo sapiens

<400> 23055

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gggtttgtct	gagacggagt	cttgctctgt	cactcaggct	ggagtgcagt	gtttcattct	180
cggctcactg	cagcctttgc	ctcccgggtt	cagggtgatac	tcagcctcct	gagtggctgg	240
gattgcaggc	gccaccacc	acagccagg	aattttttgt	atttttagta	gagacgggg	300
ttcactacat	tgccagggt	actctcgagc	tcctggcctc	aagtggcca	cctgcctcgg	360
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<210> 23056

<211> 280

<212> DNA

<213> Homo sapiens

<400> 23056

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gatttgatta	tgatttgctt	gcctaaaaga	ataatgttta	gatgattttg	agcatctaag	180
aaaacctgat	agttataatt	ttgaactgg	ttgccttaaa	gttcttgaat	ataatttagg	240
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<210> 23057

<211> 186

<212> DNA

<213> Homo sapiens

<400> 23057

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gtgccagag	tngattagag	tctactggct	ttctgccacc	taaaggaaat	attatagacc	180
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<210> 23058

<211> 278

<212> DNA

<213> Homo sapiens

<400> 23058

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aaccagtaaa	gcaccacaga	gctggatagt	gggataaaca	tgctgcatgt	ggctncctgg	180
gcacgtgcac	tagctgcttt	tgccactggg	tcagggaaca	ggagctaaat	ttgggtctgta	240
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tttttagatct	tttctgtktt	ctcctgtggg	catttagttg	takaaatttc	cctctaaaca	300
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<210> 23060  
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aaaagtcctt	acaatgcttg	tttcaaagaa	ccaacagaaa	aaaaagctaa	gaaaactgag	180
aactaacatt	aaarraatta	aatttagaat	aagaatgatt	tctttaattt	gtcctttttt	240
tctttgggtc	aaaacattat	taaatttttg	taaatatttt	gatttaaatgt	gtccttagatc	300
ctcattattt	taatacagga	waagwaaaga	tttagtaatt	tcttaccatg	ctaatatgta	360
aagttcatgc	catccaggca	tttaagagcg	atcctcatcc	cttcagc		407

<210> 23061  
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 <212> DNA  
 <213> Homo sapiens

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agggtactcag	attttctaac	aaaaacagtt	atcagtggat	gaaagatctg	tatttttgcc	180
ttgcattctg	atgtagttaa	ttaaagttaa	gaaaaattaa	agttttgtca	atacatagtt	240
tggttaattt	aattatacct	ataataagga	agaaggcaaa	attttcatag	aatgagggt	300
catggtatgt	ttcttaccat	agtaagattt	cttagacatt	ttgaatgatt	tttttttcct	360
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<210> 23062  
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gaagaagaga	aactgtttga	acttgctgtt	tccagcaatg	catttctctt	catgagggag	120

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t 181

<210> 23063  
<211> 383  
<212> DNA  
<213> Homo sapiens

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ttcgccaact tatcatgcat gca 383

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cgattcccat tgtacctggc aggaaatgag gctctgagag gttcagtcac ttacctgagt 180  
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cacgcttttc cctatgcacc ggcg 264

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<210> 23067  
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<212> DNA  
<213> Homo sapiens

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ggccaaac 128

<210> 23068  
<211> 394  
<212> DNA  
<213> Homo sapiens

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<210> 23071  
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<212> DNA  
<213> Homo sapiens

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<210> 23072  
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<212> DNA  
<213> Homo sapiens

<400> 23072  
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gactcagcac acaaccaagc catgggtccac tgggtctggcc acaacagcag cgtgattctc 180  
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<210> 23073  
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<212> DNA  
<213> Homo sapiens

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accatttttag caattttctta tgggtgattat ttttgtattt ccaagtaata tgcttttaata 180  
tcctacttta tgaaatttttag agactattga cttttttggga tgggtatataa ggactttgct 240  
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<210> 23074  
<211> 266  
<212> DNA  
<213> Homo sapiens

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tttacatact taaagtatag caaagaaatt tttattcaag ctggagtgca gtggcacgat 180  
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<210> 23075  
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aaaaaaaaaa aa 72

<210> 23076  
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<212> DNA  
<213> Homo sapiens

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<210> 23077  
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<213> Homo sapiens

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<212> DNA  
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attcattctc taccacacat tacctacaac tgatacagca tgcaagagg gtctttgctt 300  
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<210> 23085  
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aagctacca aasragacta atgaacttca agcagaatgc tgctccattg gttaaatact 180  
tccaggaaaa gaggc 195

<210> 23086  
<211> 204  
<212> DNA  
<213> Homo sapiens

<400> 23086  
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tgatatttct gaggaaccag cgts 204

<210> 23087

<211> 184  
<212> DNA  
<213> Homo sapiens

<400> 23087  
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gtttggcatg cattctcaaa atctattcat cacactgagt cattattatc cattttactt 120  
tgaggagag tagtcccagg cctcacaaat aggaagtggg gcaacagaga tctgaactca 180  
ggct 184

<210> 23088  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 23088  
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gcatatgtaa ttccttagaa ggaaattggg gtgttactta gtaaagggat actagagt 178

<210> 23089  
<211> 203  
<212> DNA  
<213> Homo sapiens

<400> 23089  
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wwagacaatt ctttaatcag tttttaaaat gaaactactt ttctcagctg ttaaaaaaat 180  
agatttataa taatagtcac caa 203

<210> 23090  
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<212> DNA  
<213> Homo sapiens

<400> 23090  
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aagtactttt tgtcaagtgg gataatgact cagtagatga haaatctcat agagtgttct 180  
gtccttcatt agaaaaactt ccatttgccct tgtcttcttt tggtgactaa attgaatttg 240  
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gagaggaagg tggttttata tggttctgag gcbccct 336

<210> 23091  
<211> 411  
<212> DNA  
<213> Homo sapiens

<400> 23091  
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ttcatgctta ttagtTTTTT cggtatgttt gtcttcagaa catattttta gtcagaatga 180  
gcaaagatag tagtcaaagt tgggagaagg tgtaatttta ctgatttttt tctttttgac 240

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cctgggatgc	cttgctctaa	ctatatcttg	atttcttagc	atgacttagt	gaaagcttat	360
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 <212> DNA  
 <213> Homo sapiens

<400> 23092	
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gctatttttt	aatgtcattt
aatgtttata	gataacacgt
	agagctatta
	actgttcaaa
	agcctacatg
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	60
	120
	180
	240
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	360
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<210> 23093  
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 <212> DNA  
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<400> 23093	
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ctcctggcag	gagcagcagt
gccccac	
	cgctgttgag
	ggcnaagggg
	gagakggcct
	atgtagtgga
	gtccagtctc
	cggtaacaact
	ttcatcccag
	gatgcctttc
	tgaagttggc
	cacttcttga
	agattcaaat
	gcaggtatct
	cactgtttac
	tggtgttaga
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	cagccacact
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	360
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<210> 23094  
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 <212> DNA  
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	rrgtgtcccc
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	accgctccat
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	120
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<210> 23095  
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 <212> DNA  
 <213> Homo sapiens

<400> 23095	
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	ggaggtgtgt
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	agagagaaga
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<210> 23096  
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<212> DNA

<213> Homo sapiens

<400> 23096

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tttaaaggaa	aatcaattt	ataaaatcat	gtaggccatt	tttatatttg	aratttgtcc	180
ttttaagat	agttttgctg	ttgctcctag	tgaaagaraa	atctctgtac	aaaggagaaa	240
aagaacccca						250

<210> 23097

<211> 322

<212> DNA

<213> Homo sapiens

<400> 23097

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attattttac	caaccgctc	catgcaactc	aagtcaacca	aatgttactt	ccacatcctt	180
tctctatacg	ccttcctaga	cccctgaaat	ctattcagga	taagtgaagt	ttgctataag	240
ggactgtcca	caattttctt	gtataatttt	tgggattcct	aaataactcct	tgaaaaaaa	300
cattggaata	tgaagctgag	cc				322

<210> 23098

<211> 322

<212> DNA

<213> Homo sapiens

<400> 23098

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gcttccagcc	tccggccgct	cttcttttga	ggcttttcct	tctgcagggc	atcctgaggg	180
ttctgtgggg	ggacctgggt	gtgtacggcg	cggcagtgac	ctcgggtgggc	cggggctgag	240
gggactgggc	gttaaaaggg	ccagacttgg	actcccccg	gagcttcggg	agtcgacaac	300
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<210> 23099

<211> 394

<212> DNA

<213> Homo sapiens

<400> 23099

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tggcagggttc	acagtaggca	ctcaggtttc	aggcataggg	tgtaccagtt	atttttgaat	180
aatcatgccca	tggcattcaa	gttttttacc	agtttgcagc	ttttgcacaa	ttaaggatatg	240
acaaatgtaa	ttttattgag	ggaaatgctt	aatcagtgag	ctgaacttta	atgtaaattt	300
gaaatgaaaa	ggtctgtgtt	ctgatttcag	attttcagaa	actggatgtt	agatggaaat	360
catgttagcc	ttaataccat	gccttaaaat	gcta			394

<210> 23100

<211> 147

<212> DNA

<213> Homo sapiens

<400> 23100  
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cttgacaggta ttttatgcat ggtgtgtgtc gggaaggaag tcagtgccta ttctcacatg 120  
acttggcaaa cagcaaaccg tccacca 147

<210> 23101  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 23101  
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agagagacag agacggggag agagagaggg agagagaaga gagggaggag ggaagaagaa 120  
aagacggagg gga 134

<210> 23102  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 23102  
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aaaatggcag ccttccatct cctgcactgg ctgagtccat ttacttgtgt acttgttcta 120  
gtgagtgggtg ggactgtaca tttttgaata gacctcaaaa 160

<210> 23103  
<211> 389  
<212> DNA  
<213> Homo sapiens

<400> 23103  
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atatataaac tgtatagtgt acatggtaat gatttattgc tatgccccag atccttaatg 120  
tagttctcat cctccgcatg ccctcagcca caagcgggtg actgactgtt ccctgatgat 180  
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nntcgtgcac agaaatgctc aggggtcccca tgtgcctgtt gttcagccct ctctcttgtt 300  
ccctttctga gcatgtggtc cttccccagg ctgtgggaca cangsnttcc cacgaaagtg 360  
vaaagcagta ttaagatcat actgcatgt 389

<210> 23104  
<211> 99  
<212> DNA  
<213> Homo sapiens

<400> 23104  
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ctcaccttgc tgtctattca ttagctaaaa caagtcaca 99

<210> 23105  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 23105  
catcgggggg ggaggtggga aaatagcagg attcttgggg actctgaggg catgaatgga 60  
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gaaaagttca gcttttctga gctgtaccat agcggccgct 160

<210> 23106  
<211> 146  
<212> DNA  
<213> Homo sapiens

<400> 23106  
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acccataaaa aagaatgaga tcctgtcatt tgcaacaagg atggaagtgg agatcatcat 120  
attaagtgam ataaaccagg cacaga 146

<210> 23107  
<211> 327  
<212> DNA  
<213> Homo sapiens

<400> 23107  
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gatttttttt ttttaaggg ttttttgtgt ggctgtctcc ttcagttctg ctctgatctt 180  
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agttgtrata ttaggatgtc gatttgagtt ttttctggct ttttgatgtg ggcatttagy 300  
yctataaatt tccctcttaa cactgca 327

<210> 23108  
<211> 173  
<212> DNA  
<213> Homo sapiens

<400> 23108  
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aggagccctg tgtgatcgtg cgtcagagtc ggggctgaga ccagcccttg ccagggcagt 120  
taccaggacg gtctccggag gccgggattc gcggagggtc caccagcagg gat 173

<210> 23109  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 23109  
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tggttttttt ctgagctatt ctgagcttat ttatttattt gtatgttcta atggctaaac 120  
atttacatta aatgtttttt ttcccaagat tgtgttggag ac 162

<210> 23110  
<211> 271  
<212> DNA  
<213> Homo sapiens

<400> 23110

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cttattgtct	cttttcaaag	gaatcaattc	ttacgataat	ttaacagtg	aatctgggat	120
aattatatta	atcaagtttc	tgtttccctt	aacatcaata	aagttaaaaa	attccatcaa	180
aggggttatt	tttatacttc	cagaaacacc	ccagactgcc	actataaaaa	cagtattata	240
taaatcaacg	aaccatttca	tcaacccaca	c			271

<210> 23111  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 23111						
aaataaagca	aacacaaaaa	taaaatttta	aaatttaaaa	aatcagacta	aattttcaaa	60
ttatataata	atattatatt	taaaatggtc	tttcagaata	mcartgttgt	agaacartta	120
tatcmartgt	gtgtgtgtgt	gtttgtgtgt	gtgtrtgtgt	gtgtgtgtgt	tagaatccaa	180
tatttcagt	atattaggcc	taa				203

<210> 23112  
 <211> 215  
 <212> DNA  
 <213> Homo sapiens

<400> 23112						
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casaaggaca	tggtgtgtgt	gatctgcatt	gaggtggtct	atgagaaagc	caaccccagt	120
gagcgccgct	tcgggatcct	ctccaactgc	aaccacacct	actgtctcaa	gtgcattcgc	180
aagtggagga	gtgctaagca	atttgagagc	aagat			215

<210> 23113  
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 <212> DNA  
 <213> Homo sapiens

<400> 23113						
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catggcggaac	ccgtctttgc	agaagatgca	aagattaatc	gtgtgttgtg	gtgcatgcct	180
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gtgcagtgag	ccgagattgt	gccactgcac	tccagcctgg	ccgacacatg	gagaccctgt	300
ctgaaaaaaaa	tccaaaaaaaa	acaacaaaat	aatactgacc	acctaatacc	tatttggggc	360
ctactgtatg	ccargttaa	tcccattgat	tactctatgg	gggtgatgac	atagtatcta	420

<210> 23114  
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 <212> DNA  
 <213> Homo sapiens

<400> 23114						
tgattgtaat	aaatgtacca	cttagatgca	gggtgttgat	agtggggtar	gttgggga	58

<210> 23115  
 <211> 225  
 <212> DNA  
 <213> Homo sapiens

<400> 23115  
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 tcttggaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag gaaggaacaa 180  
 gaggagaaag cagagataaa acgcttaaaa aattctgatg accag 225

<210> 23116  
 <211> 385  
 <212> DNA  
 <213> Homo sapiens

<400> 23116  
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 gtgttttagt gattaatagg attgaaagac attgggataa aagttacccc ttagttaact 180  
 tttccccccg cagggtgact cacctttcaa gcttaggaag atgtgaaaga tttgcagtca 240  
 aactcaagtt caaatccag tccactgac cttgggaaag ttctttaaac ctccctgtgc 300  
 tcatttctta aacattgtgt ggtaaaacat ctgccttttc tacttctcag ggatttaagt 360  
 agaacatgta tctctacac cacia 385

<210> 23117  
 <211> 208  
 <212> DNA  
 <213> Homo sapiens

<400> 23117  
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 tgtgtbacat tattccaatg ataccaaca gtttattttt attatttttt taaacaaaat 180  
 ttcacagttc tgtaatgtag gcacaagg 208

<210> 23118  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 23118  
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 gcaagcttat gcgggaaaga gggaggggga ctccaggaaa agccgttgag aggaccgct 119

<210> 23119  
 <211> 437  
 <212> DNA  
 <213> Homo sapiens

<400> 23119  
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 agcatccagg acttgctgg ccagaaggta caccagctgg tcaccacctg ctggcaccct 180  
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 tttttttttg aaacagggtc tcactctgtt gccaggctg gagttcagt gtgtgatcac 360  
 ggytcactat ggccttaacc ttccaaggct caggtgatcc tctgcctma gcttcccaag 420



tagctgggac aacaggt 437

<210> 23120

<211> 312

<212> DNA

<213> Homo sapiens

<400> 23120

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gcccttggt	tgaaaaaact	cttggtatgt	acatgttcca	gcttgtctgt	gacccaggag	180
gaggcagagg	aactgctcca	ggctctgcac	cgccctacta	ggctgggtggc	attccgtgac	240
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aacctgctga	ca					312

<210> 23121

<211> 280

<212> DNA

<213> Homo sapiens

<400> 23121

aaacagtaat	tcccatgtgc	tgagtttgct	gtgaggatta	aagacaagga	ctgttctaag	60
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ttaaagtttg	agtgttaggc	atgctgttga	gtgaaagaag	acagactgtt	accagaggac	180
atattctgtt	ctatgatacc	acttgtgtta	acgtgaaaag	caggcaggaa	ttttccatgt	240
gagagaagtc	agaatagcag	tbagcttacc	aggggggtgca			280

<210> 23122

<211> 329

<212> DNA

<213> Homo sapiens

<400> 23122

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taagacatat	taacatcata	tgcactcata	tattggaata	tatgcatcac	atatgatgca	120
cttgagaaga	ctacatcagc	tctgtggtga	tgtggctttc	agaatgcata	acttcagtct	180
aatgagaaaa	catctgacaa	acccaaactg	tgggacattc	tgcagtgtgt	atgatataac	240
atcaatatta	tgaaagaaga	aagactagga	taagtctcgg	attggagaag	actaaggaaa	300
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<210> 23123

<211> 146

<212> DNA

<213> Homo sapiens

<400> 23123

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ctgaccttac	cttctaacct	ccacat				146

<210> 23124

<211> 80

<212> DNA

<213> Homo sapiens

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gcagagcatc cgaggggcac 80

<210> 23125  
<211> 216  
<212> DNA  
<213> Homo sapiens

<400> 23125  
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agaagagaat gagccaagag gtgctgcagg agttcagagg caagagagag gaatgtggcc 180  
tgatatgcac agaagacttc atgaaggaac tgggcc 216

<210> 23126  
<211> 430  
<212> DNA  
<213> Homo sapiens

<400> 23126  
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tatttggtcta tcatgaataa atgttacagt gaacatgaga gtgcaaatac ctcttcaaga 300  
cactgatttt atktcttttg accatatacc cagaagtagg attgttagac catatgggag 360  
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caggacacca 430

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tggctagttt tggaaggcat ggccagtaca attactggaa gtcaggattg tattgtgaat 180  
catcgagggg aagtggatgg ggagcctgaa ctagatattt ccccttgtca acagtgggga 240  
gaagcatctt ctctatttc cagaaacagg gacagca 277

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<212> DNA  
<213> Homo sapiens

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ggggaagaga cacaatagct attaaaataa aagtatgaca gtngggctaa acaggcagcc 180  
tcaaacatcc taggagctcc tgagggcaac actgtatgta gtgactcagg ttcttagagg 240  
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ggac 304

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 <212> DNA  
 <213> Homo sapiens

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 aaaatgtaca gccacagcct ttttaatttg gagcccta 98

<210> 23130  
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 <213> Homo sapiens

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 agcacacg 128

<210> 23131  
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<210> 23132  
 <211> 164  
 <212> DNA  
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<400> 23132  
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<210> 23134  
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 aggttacaaa tagcaaaaaa attaatgctga aattctttta atttgaagaa ttacttatca 240  
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 <213> Homo sapiens

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 aataaaagag gtccattaat acttccttat aaaaattcta gtctgtttca ttactgcca 180  
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<210> 23140  
 <211> 154  
 <212> DNA  
 <213> Homo sapiens

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 actaaatttt gcaaaagttc aagttgagtt ctgtaaatgg aatttaaatt aaaacatata 120  
 atataaatca gggataggta aacaactggc cagc 154

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 <212> DNA  
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<400> 23141  
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 ataatacagga ggcgtctacaa ctaaattaat gagtattctt ctccattttc ttatttatga 120  
 aaagaatata gcattacttc atgattatit gagggtaatg aatttatgaa gtactcgaat 180  
 taacatttat acccgccaa 199

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 cgtagaa 127

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 <212> DNA  
 <213> Homo sapiens

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ggcccacttc	ttctattttc	ctttcattac	aaatttttat	tagctgtgaa	agaacagact	180
tcccaatttc	aagaaaagtt	tggtaatata	ttttgt			216

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 <212> DNA  
 <213> Homo sapiens

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ggcaaggcct	tctgggagtt	gtagttctac	gggaggcttg	ttttcccat	cttccagttt	180
gattccgaga	gcgttctttc	cacttaatta	attattcata	tatgcaaatt	tgctctttca	240
ctggcaagga	gactgagtk	ctactccccg	aggagcwk			278

<210> 23145  
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 <212> DNA  
 <213> Homo sapiens

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<210> 23146  
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 <212> DNA  
 <213> Homo sapiens

<400> 23146						
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agccctggaa	aggcagcctg	caaggctcat	ccgcggagg	aggcacgctc	tcggcgctca	180
ctgctctcca	cgccggggac	atttccaccg	aatgtagcat	gaaagggctc	tgctctacgt	240
gccagcyttg	ggtgagagct	gatgctgaag	acaccgcggt	gggattccag	ctgtctgatt	300
aatgaga						307

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 <212> DNA  
 <213> Homo sapiens

<400> 23147						
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gagaacctga	gctgttttca	ctcatggtga	aaggtgaagc	gggctgagc	tggtgtgtgc	120
agagattaca	tgatgaaaga	agaaacaagt	bagaaggaga	aggctccagg	ctctttttaa	180
caaccagctc	tcacagaaac					200

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 <211> 158  
 <212> DNA  
 <213> Homo sapiens

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 tatttgggac tgaagatgta aacaaaaaat caatcttgtg acttgtagat ttctatcttt 120  
 tttggcttca gaagatggat gaactggctg cccccacg 158

<210> 23149  
 <211> 61  
 <212> DNA  
 <213> Homo sapiens

<400> 23149  
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 t 61

<210> 23150  
 <211> 336  
 <212> DNA  
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 ctgtgacctt gaaatatatt ggaaatgtgt attggaaatg taagtaggta atttattttt 180  
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 caggttgtca ggcacagaaa ggtaaatact acatgctttc actcacatgt gggacgaaaa 300  
 gaaaaaagga attcctgaaa gtagagaggt aaaagc 336

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 <212> DNA  
 <213> Homo sapiens

<400> 23151  
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 gactaaaagt actgcgcata acttctctgct cagaaatata tgcaaataag aagacagatc 180  
 ctgaaagagc aagctaggag agtacaggtc gtgctgcagt tagttcattg aaaactcatt 240  
 tgctcttgga gcagtcaggc agtgactgcc ttcggtcttt tttctgctga ctaagatctc 300  
 ctatagagag ctacaacaat gcccaaaaga aaggctgcag gtcaagggtga tatgaggcag 360  
 gagccaaaga gaagatctgc caggttgtct gctatgcttg tgccagttac accagaggtg 420

<210> 23152  
 <211> 337  
 <212> DNA  
 <213> Homo sapiens

<400> 23152  
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 aggtacagga atttaaatat tatctccttg attatgggat taagaaggaa gctgcatgct 180  
 tccgtaaata tcttaatgtt taattcttaa ttgtagatgt agaaataaaa gcatttaatt 240  
 atcatatgta tgtaatgtac ttgctgagtt gtgcttgctc ttcctttctt tatattcttt 300  
 gtttttccct cttagagttg ttttttttcc cctgcaa 337

<210> 23153  
 <211> 256  
 <212> DNA  
 <213> Homo sapiens

<400> 23153  
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 ctgctgggtga atcacatgcg gcaagaggca actggctcca cagcctggga tgctgccgta 120  
 ccaagaggaa agaagcagca aaatgccttt acgttggtct aaacccccga cgcataaagt 180  
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 gagtacagat aatttc 256

<210> 23154  
 <211> 99  
 <212> DNA  
 <213> Homo sapiens

<400> 23154  
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 agacacagtg gactgaaagg actggttgaa agtggccgc 99

<210> 23155  
 <211> 195  
 <212> DNA  
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<400> 23155  
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 ttagaataga taaacaacca gtgtacaacg takaggttaag gggcttgag cagcattggt 180  
 gatgggggca aagaa 195

<210> 23156  
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 <212> DNA  
 <213> Homo sapiens

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 accatggtct cccatagagag tgtgttggtt tgtgtctgcc agtacgacaa aggacgtcc 120  
 cagcttgatc gtggtacctt atggaagcca ctacgcatt ctctgattta cccccaaaac 180  
 actaccatgc cccagcccca 200

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 <212> DNA  
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 gaccagaata caaggaatgg acctgtgatt agctgataac attgtgggtt tctccttttt 120  
 atcaagtaag aatattagct acagaaagat gtgctataag atattcctgg taaagacttt 180  
 caaatattag tgggaactc 199



<210> 23158  
<211> 198  
<212> DNA  
<213> Homo sapiens

<400> 23158  
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aggcatcagt ttttaaaact gcatatacca cacacacaca aaacagtaca caaataargg 120  
ttttcacaaa ttaacaaaac tcacatacta gtcttcagat caaaacacag agcattatgt 180  
gtaccccaga agccctta 198

<210> 23159  
<211> 108  
<212> DNA  
<213> Homo sapiens

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<210> 23160  
<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 23160  
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gagtattgag gagaccccat cttcagaacc aatggaggaa gaggaagatg acgacttgga 120  
gctgtttggt ggctatgata gtttcgggag tag 153

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<211> 428  
<212> DNA  
<213> Homo sapiens

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acataatagc gttttaagag tactaatatt tctgccaacc agaaaacctc accaccatct 180  
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gtgcagaatt ttttccttct cttatgttgt cttaacacgg gtttcatgca gctgacctcc 300  
tgattgatcc agtggmwgat actccccact ctgccctgat aattgggtcac agtgccttga 360  
tggtgtttat gtgttacaca aaaatatgta atgacttccc tcttgccctc gagcttgtcc 420  
acaaacat 428

<210> 23162  
<211> 166  
<212> DNA  
<213> Homo sapiens

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aattagggcc tcctctgatc tctcgtatc tgcgggtcct gtccttttct caagaccttc 120

004220" 666E1560

accattactg gtgttttccct gtcttctctt tagtatgatc cccctt 166

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<211> 118

<212> DNA

<213> Homo sapiens

<400> 23163

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<210> 23164

<211> 239

<212> DNA

<213> Homo sapiens

<400> 23164

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acattagctg atctactggc acctcccaca gactcacaaa ggccatttgc ataactccca 180  
tgctctctag taacatccaa aggctcaagc cgatgtatct ttttcaacca cagagcaaa 239

<210> 23165

<211> 440

<212> DNA

<213> Homo sapiens

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ggccctccgg gasccaaggc cgagcctggc aaagctgggc cagatgggca gacgggaagc 420  
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<210> 23166

<211> 213

<212> DNA

<213> Homo sapiens

<400> 23166

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gcctagatct tttggttaac tggctgcaca tataccttaa taaccaggat tcgggaacaa 180  
aggcattctg caatgttgct ctccatggac cta 213

<210> 23167

<211> 143

<212> DNA

<213> Homo sapiens

<400> 23167

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cctcccccat ctccccccac tca 143

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<211> 200  
<212> DNA  
<213> Homo sapiens

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agcatttgct atctattact gtctccagaa aaaacctcca gctttgttaa aggtataact 180  
ttaaaaagca acaaccgct 200

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<212> DNA  
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ccggga 126

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<212> DNA  
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cgggcacagt ggcttatgcc tgtaatccta gcgctttggg aggccaaagga gggcgatca 120  
cttgagatct ggagttcgag accagcctgg ccca 154

<210> 23171  
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<212> DNA  
<213> Homo sapiens

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gcctgagcag catagggaga cctcagctct acaactgaaa aaaaaatggc cgggtgtgtt 180  
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<211> 196  
<212> DNA  
<213> Homo sapiens

<400> 23172

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cttaaacact atccctcag actccctgtg tgaggcctgc agaggccctg aatgcacaka 180  
tgggaaacca gggcac 196

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<211> 154  
<212> DNA  
<213> Homo sapiens

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caaaataatg cttgcagaga gagacaagcc ggga 154

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<211> 222  
<212> DNA  
<213> Homo sapiens

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gatctttcag caattcattg aaataattat ttgaagtaat cttgcttcag atttaatttg 180  
tgatgtacat tgttgtacaa gccatttkrg tacaggtgcc tc 222

<210> 23175  
<211> 201  
<212> DNA  
<213> Homo sapiens

<400> 23175  
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atcctgctct gacttttcat ctcatctcca ttttcttctt ctcttgattg tttttatgtc 180  
atttacatat gtaaaagcca c 201

<210> 23176  
<211> 310  
<212> DNA  
<213> Homo sapiens

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gagctcactc agagtgaact tgaattatga cttttcaggc tcatttgtac tctcttcccc 180  
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<210> 23177  
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<212> DNA  
<213> Homo sapiens



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tcattgccgt	cctgcttggt	ttatggcctg	gttcaggacc	aaggagagaa	gtgtgaatac	180
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gttttataaa	caaaaataag	attgtgacaa	gggattccac	cattaatggt	ttcatgcctg	300
tgccctkaatc	tgactgggta	tggtgagaat	tgtgcttgca	gctttaaggt	aagaatttta	360
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<210> 23182

<211> 440

<212> DNA

<213> Homo sapiens

<400> 23182

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acaccgggag	ttactgcctc	tttctcatcc	cgagtcctcc	tgactttccc	cagcacccat	120
cgtggctgca	gcyaggacac	aggagctggg	agatgggaac	atcactagac	cacgagccgg	180
aattgctgca	ggaggattcc	cacactctgg	gcctccgtgg	gcaccasagg	actggacgtg	240
cgaccccgag	tctctgggtc	tcagtttcgt	ctcctgcaga	gcctctkagc	tagaccgtct	300
ctaaaatttc	atcaagctcc	tgtattccat	tctattctga	gatgcccaat	tcttatgcct	360
gctaaaaacc	acagtggaga	ataataacct	atgtccacat	ttttgtttcc	taggagaaat	420
atcaacatgc	gtctgccagc					440

<210> 23183

<211> 164

<212> DNA

<213> Homo sapiens

<400> 23183

tattttttccc	ttagatgttt	tcaaagtgat	ggttttttatt	ttagtaactg	gtaacaagtc	60
ttatttttgct	cttagttcct	tcagtgaaga	acgtaattga	agcttcaaag	tgtttataaa	120
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<210> 23184

<211> 410

<212> DNA

<213> Homo sapiens

<400> 23184

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ctatatcatc	tacctttccc	aaagtgtgtg	cctgtaaacc	taccttggaa	gtggcaagtt	180
aactgatttt	tttgtgtcat	ttttatacca	atccttaagg	tcaaagcctt	ttgctatcaa	240
tgtattttaa	ctgagttgct	atatgttcac	ttaatttggt	ttcaaaatgt	tttgctccaa	300
cttaaattat	cttttaacat	cttttgagtg	ccaagaattg	ctaagtaact	gtaatatggt	360
gaagagagta	attgccaaagc	aagcagtcac	aaagccaaaa	tgtaatgagc		410

<210> 23185

<211> 71

<212> DNA

<213> Homo sapiens

<400> 23185

atttttggct	ccgcagtcgc	gggctgctcg	ctgcttgctg	cgcgctcaca	cacacacaga	60
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cacacacgca c

71

<210> 23186

<211> 408

<212> DNA

<213> Homo sapiens

<400> 23186

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ccagtgatgc	agtcgtagag	gtcagccttc	caggcacaaa	gcaaagtgga	ggacagaaac	120
cagcaccaga	tgagatgttc	tcctggaagc	tttgggaaa	gccatctcag	tcccatagag	180
actggagact	ttaggaagag	agagccccc	gtcttgga	aacaattcct	aataggagag	240
acaccagttc	ctgttcataa	gaggtaccaa	gttgggcgtc	cttggacca	gacataagct	300
ggggagccag	agaaacctgg	atggaacagg	gaccctaaga	agtggctgaa	taaccaccag	360
gagagagggg	gtrgcttcct	gaacaggagc	tgacctgcaa	gaccggat		408

<210> 23187

<211> 282

<212> DNA

<213> Homo sapiens

<400> 23187

aacaaaaatc	tgacaaggac	tcctaaggac	caacagctct	cayyttgtgt	ggcatgctct	60
gtctataccc	tcagcaccac	tgactgggca	aagcaacgtg	ttccagaagg	ctccccgc	120
gcagacagtg	gggtccatgg	ggtggctcct	ccaaactgca	tcaggggaatc	aggaagggac	180
tggcctggag	ccaaggggaa	agggatgatt	gtcctgtctg	tcaccactta	aagagaagga	240
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<210> 23188

<211> 425

<212> DNA

<213> Homo sapiens

<400> 23188

gtgaaaaata	ccacgacaaa	accaccctag	ttctccaaaa	tacttatcat	tcaggttgaa	60
taaaccagtt	ctacagactg	cttcttccat	gcatttccca	atgatgctaa	ctgcccttaa	120
aattctttca	gatttggaa	tgtatctgta	tggaaacaac	agagttttct	tgaagtacaa	180
ctaaggacag	gtcaccacta	ggcactaaca	tcgctgactt	gcatgattat	ggagatggtc	240
tatctgatgc	tgaaaatgtc	tctagttttt	tgacaacggc	taaataacca	tgggatcaag	300
tggccttggg	aaagcagcaa	cattagatga	actgctgtgc	acttgcatg	agatgtttga	360
tgacaatgga	gagctggata	atagttat	gccaaagaata	gttctactga	tgcaccgatg	420
gtatt						425

<210> 23189

<211> 199

<212> DNA

<213> Homo sapiens

<400> 23189

tagtaattag	aatgaataag	atctaaacbc	agcgcgatgg	ctcacacctg	taatcccagc	60
actgtgggag	ggccaggggtg	ggccagtcac	ttgaggctag	gaggtcaaga	ccagcctggc	120
caacatggca	aaactccatc	tctactaaaa	atacaaaaat	tagcagctca	tgggtcccga	180
tgctgtaat	tccagcaat					199

<210> 23190  
<211> 417  
<212> DNA  
<213> Homo sapiens

<400> 23190  
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ttactcatgg gaaggcctgc ggtgcaccaa ctgctaactg gcatgtgcgc aggcccaagt 180  
gcatgcacac cctcacacgt gtgcacacat gaacacatat atgtgtacag gtgcagcctt 240  
taacagcata caccatgtg catggcacat gtgcacatct gtaaattgcac acacatgcac 300  
acagtacata caccacata cacgtgcaca tcacctatgt gcacacagtg catgcctata 360  
gacgtgcaca cgcatatatg cttgtgtaca tgtrtatatg ttatacacat ggacaca 417

<210> 23191  
<211> 356  
<212> DNA  
<213> Homo sapiens

<400> 23191  
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tgagactttg tctctacaaa trattaagaa accagctggg cgtgggtggca tgcacctgtg 180  
gtcccagctg ctctggatgc tgaggcggga ggatcgccctg agcccgggag gtagaggcta 240  
cagtgaacca tgatcacgtc actgtgttcc accctgggta aaggagttag accttgtctc 300  
aaataaataa ataaataaat aaataaataa gaagaagaag tataaatagg aatgat 356

<210> 23192  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 23192  
cacttatgct catttgggck accacatttg taagatctag cattgcttgc tctctgtctg 60  
ctcttttttc cccaaggaat acctttctgt aactctcatc tctccaaagt cctggaaatc 120  
tacctcgatg aaggatgaag agaaagaaga cgggaatcac atcaggcatt tagaacatag 180  
cccataatta accactcatt ttgcccttct ggcattgctgc acacacccaa 230

<210> 23193  
<211> 310  
<212> DNA  
<213> Homo sapiens

<400> 23193  
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tgtagacact tcttgtgggt ccaactgctg tgttcatctc tctgggtttc tgtcttctcc 120  
ttgaaattgg ctttgaatt aattcttctc tgctgtggta gctctctgat gctttcaaaa 180  
atatgttttt aacctttcat caaggttttc tagttgatct ctccagaaaag ctcaatctaa 240  
acaacctagt cagtcattaa caggaataaa aacctgattt atactttaat aaaatctcta 300  
actgcaagct 310

<210> 23194  
<211> 430  
<212> DNA



<213> Homo sapiens

<400> 23194

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gtgactccta	ataatcctca	atattaagtt	aaatcaatag	taacacaggt	atggaaaatac	120
agcatttaaa	aactcatgta	atcattcatc	ctatcaatca	ataaatatta	attacatttc	180
aggcagtgtg	cttagatgct	ggggtttttag	ccataagcaa	ggcagacatg	gttattgccc	240
tacagcttat	aaaatctagc	tacagcaaca	tttaaaaacc	accatcatta	tcatcatcat	300
catcatcctt	atcatcatca	tcccagctaa	cacgtattga	gaacttcctc	cgtaccagcc	360
actattctag	catttttacac	acattaattc	attccatcat	catagcaagt	tgtaaatagg	420
taataatatt						430

<210> 23195

<211> 488

<212> DNA

<213> Homo sapiens

<400> 23195

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agcctataaa	atttttagtgg	atgccaagag	agatacttct	acttcttttc	tgacttgggt	120
gtcatttctt	tctttttgtt	acttgattgc	tgtggcaagg	atttgtaata	ctgtgttgaa	180
aagaagtggc	gaaasarrca	tccttgcttt	tgtactgat	actagaggaa	atccttttag	240
tgtttaacct	ttgagaataa	tgtttgktt	gagtttttca	tttatagctt	ttactatggt	300
gaktgtgatt	tcatctattc	ctaatttgat	gaatgttgaa	ttttttattc	cttartcttt	360
gtcttgcttt	ggtaaagagg	gtaatgctgg	ccccataaaa	tgtgttgggg	agwrtttcct	420
ccktgaattt	cttagaaaar	tttgaaaaca	cttgtkattt	gttatataag	tattatttga	480
tggaatt						488

<210> 23196

<211> 98

<212> DNA

<213> Homo sapiens

<400> 23196

tcaagagtac	gagattgggg	ctgggcgtga	tgactcgcac	ctgtaatccc	agcactttgg	60
gaggccaggg	ttgggggatt	tcttgagccc	aggagttt			98

<210> 23197

<211> 98

<212> DNA

<213> Homo sapiens

<400> 23197

aatacaatgc	agatgctaca	taaatggtcg	tgatactgga	ttcttttaggg	aataatgaca	60
agaacaaact	ctgcacatgt	tcaatagaaa	cataaccg			98

<210> 23198

<211> 267

<212> DNA

<213> Homo sapiens

<400> 23198

cgttcataat	tatagtaagc	aaaggcaagg	cgtatgttat	ctcattaata	cttcacagta	60
actcagtagc	cactcttatt	atcccttgat	ttgtagagga	gaaaaccaa	aaaggcatgg	120

aaaaggtact	agcttaaggt	cataaagttt	caaatgcagg	actgagtgag	taataattga	180
atccttgaag	tcatccacag	taataccctc	cttttcagta	tacctatctc	cagatggggc	240
taaaagcagt	ttaaactatc	tgaggga				267

<210> 23199  
 <211> 463  
 <212> DNA  
 <213> Homo sapiens

<400> 23199						
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gacagccgct	acaacagcac	tgccgggcac	ggggacttga	accagctgag	cgctgccatc	120
ccggccacgc	gggtggaggt	gtccgtgtcc	tgacagtcct	ggtgggttgc	gctagcatgc	180
tttggtttgt	gactgcatca	ctctaattct	caaggccaaa	atctacaact	ctctctgtgc	240
tgctactgtc	ttgtctcttc	taaatcttct	tgacagagac	acatttttcta	aatctgatcc	300
aattttgtgtc	ttatatgtac	aaggagttgg	aaataaagaa	tgagagagag	ttggaagaac	360
tgaagtaatt	gataatactt	taaatcctga	ttttgtaaga	aagttttattc	tggtactactt	420
ttttgaagaa	agagagaatc	ttcgttttga	cttgtatgat	gtt		463

<210> 23200  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 23200						
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cacctcagag	acaggacaac	taaatgaaaa	taacaggccg	ac		162

<210> 23201  
 <211> 414  
 <212> DNA  
 <213> Homo sapiens

<400> 23201						
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gctatatata	tatttttttta	atttccaaag	tgcttttattt	gcatatgtga	atttattaca	180
ttttcactag	atattaacga	tctctgaaag	tgcatacaga	cagccctcac	tttgcacagt	240
agtggattgt	taaagtggca	gtgcaaatta	aaactgtgtga	aacaaatcat	ttgaaaactt	300
acaattgttc	tgtgacattt	aaaattcgtga	tcaaagcatt	aaaacattta	ttcctcttag	360
aatgtgttag	aaagataaar	racaaatatg	tattttaatac	tctaaaacat	taga	414

<210> 23202  
 <211> 185  
 <212> DNA  
 <213> Homo sapiens

<400> 23202						
atcagatgca	agcttccagg	tattgaatgg	agtcatacag	ggatgtactt	aattcttttta	60
cagtgatgcg	tgataacatg	tgcaaaggat	tcccaaccaa	ggaagctctt	tcaatctttg	120
gtgtctagca	cggcatgcag	tgcccatatg	actgaactca	gctactcaga	ccccagaccc	180
ccaga						185

<210> 23203  
<211> 462  
<212> DNA  
<213> Homo sapiens

<400> 23203  
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aggttcatgc catttgtaaa accctctttg ttgtcttttt attggaattt tgagagggag 180  
ttaaatgtct gtttttaatc taccatcttt aaacaaaaat tccagctatt taatttcagc 240  
atgaagaatt gcattaaaaa cagagcagtg aatcatttta tgaataataa tgctggattt 300  
tattttttaa aattatccta gcctaarwtg tttaggatca tcatagcatt aagagagatt 360  
tatatttggt aagaratcaa aaacatcgtc agttttcatg cttaaagtat ttaggatcat 420  
aatagcatta agaaagattt atatttggtg aavatcaaaa ac 462

<210> 23204  
<211> 138  
<212> DNA  
<213> Homo sapiens

<400> 23204  
ttttccctcc tccctcttgt tttagctggt acacacacag taatacctga atatccaacg 60  
gtatagatca caaggggggg atgttaaagt ttaatctaaa atatagctaa aaaaagattt 120  
tgacataaaa gagccgca 138

<210> 23205  
<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 23205  
ctttccctga gagaagggca gattattggg aagcttagac cccttggtca tctttttgcc 60  
ccatgactgt ctatgtaaat ggcccttgga tgctttcagt gttttggagt ggtttatgat 120  
taactgggtc tatctccctt gtcgaacctt taggtaattt aggcgcattt ggagtacctg 180  
gtctctagct gcctggactg cccattgtct gttggcaage ctcttgaggt gttgttttca 240  
ctgctagaca cgcccc 256

<210> 23206  
<211> 191  
<212> DNA  
<213> Homo sapiens

<400> 23206  
catattttta ttgtggcaaa atataacttaa aattgatcat tttagccggt taaaagtgta 60  
caattcagtg gtatcaaata cattcacagt gttatgcagc catcaccact attcattttc 120  
agaacttctt catcatccca aacagaaagt ctatacccat taaataactc cttattttct 180  
gtcccccaag a 191

<210> 23207  
<211> 137  
<212> DNA  
<213> Homo sapiens

<400> 23207

ttagaaggca tgctttaatg ttcttgggca aacatgctgt gtatgtgctc aggacattac 60  
 ttacaagaaa atcacttttt aaaaagaacc ttttcttttt acggaatatt gaagaaaaat 120  
 tgaattggca gcaaggt 137

<210> 23208  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 23208  
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 gcagccggtt cccttttggc ccagagtgtg tctagaaata tcattgggga gctagggcct 120  
 ggaatggggg cctcatggct ctgcctgggt ctctattcta gtgtggctga gctagtatcc 180  
 aagatgcaag acaatgtcgg ggctgggcat ggtggccttac gcctgtaatc tcagcaccgt 240  
 ca 242

<210> 23209  
 <211> 361  
 <212> DNA  
 <213> Homo sapiens

<400> 23209  
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 accatagggt ttgaacaaat ttccttacat tttcataca aaaatcataa atatctgtat 180  
 gctattgaaa ttttaactttg tatgatgctt aaaaaccact atttggggaa ataataaaat 240  
 aagtctttac catgtatgav agavatttta aaaaatacaa aatattttct gattagcatc 300  
 tagcttatra taaattttca aaaaagctga aggcaaaaat gccttcatca ggatgcactg 360  
 a 361

<210> 23210  
 <211> 203  
 <212> DNA  
 <213> Homo sapiens

<400> 23210  
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 acctagagag caatgaaatt ggaatttgtg cccaattctg tctctgacac tgaagtttcc 180  
 tcacgttgct tctgttaacc cac 203

<210> 23211  
 <211> 206  
 <212> DNA  
 <213> Homo sapiens

<400> 23211  
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 tctctaacc tttatacaaa ctggatcttc tgacttagac acattttaaag tggttcttta 120  
 tctcatttt aactggctcc cacttgttct gcaagatcta gcttcaatat ctctctata 180  
 agaacttgcc tatagtcact agccca 206

<210> 23212  
 <211> 491

<212> DNA

<213> Homo sapiens

<400> 23212

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atgtaactgc	actgcttagc	cagacaaata	gtttaatgaa	gaatttatgc	ttaccatttc	120
aaatattatc	tagaatattg	cttgctaate	attagatgaa	ggcacaccct	ggaggnatat	180
gaagtgtctg	atgtctccac	tgtgtcgtat	tgctgttaat	aggatagcat	atgcacatcg	240
tgaagaaaga	acagacatgg	cttcgaaaaa	acaaattgat	ccatataata	tagtactttt	300
acaacctaca	tgtatatatg	gctatatgca	tttctcttta	gaaatgctgg	gttctacatt	360
ttaagctaca	gagatgctgt	gcaaagaaaa	tgagagtgat	ttgtgtgaag	cctaaacaaa	420
ggaaatttca	gaaacatttc	tagtcctaata	tattatatca	tgcataattg	tgaacttacc	480
tgagattcag	a					491

<210> 23213

<211> 339

<212> DNA

<213> Homo sapiens

<400> 23213

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ctccccagcc	atgtggaact	atatttttcta	aaagtaaaga	ctttaaagaa	aggcacagga	120
ggctgggagc	agtggccttac	atttgtaate	ccagcacttt	gcggggctga	ggccggagga	180
ctgcttgagt	ccaggagttt	gagaccagcc	tgggcaacac	agtgagaccc	catctctaca	240
aaaaattaaa	aattagttac	acggtggctt	gactgtgcat	gactggagac	agtgcgaggt	300
cgccgagtc	ataagcagca	agaagggcac	acagaagaa			339

<210> 23214

<211> 107

<212> DNA

<213> Homo sapiens

<400> 23214

aaaatgcagc	ttgactgtga	ttcatggcac	aaagctggaa	taaccctgcc	agttcttaga	60
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<210> 23215

<211> 254

<212> DNA

<213> Homo sapiens

<400> 23215

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aacaggaggg	ttttgcagtc	cctgcccctc	ttgataataa	aggaactaat	tcactctgcc	120
gcagcaactt	cagatgccgg	agtgtgagcc	ctgctgttca	tcgccaacgt	aatcttagtg	180
gaagcaccct	ctatccagta	tctaatatcc	cacgatctaa	tgtgaccccc	tttggaaagtc	240
cagttacccc	agtg					254

<210> 23216

<211> 242

<212> DNA

<213> Homo sapiens

<400> 23216

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tttttaaaaa	actattattc	tcgatgcttg	tttaaggaggaa	aaaaaaacct	ttggtgcttc	180
tgttgatgaat	gtgaaacatt	attttccagc	tgtacagtga	cacatttttt	tttaaggagaa	240
aa						242

<210> 23217  
 <211> 191  
 <212> DNA  
 <213> Homo sapiens

<400> 23217						
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agttgtgcaa	atttacattc	caacaagcaa	tgtataattg	ttcccttttc	tgtgcatcct	120
catcaatata	tggtgttgat	tgacttttga	atgatagcca	ttctgactgg	tgtaagatgg	180
tgtctcgctg	c					191

<210> 23218  
 <211> 329  
 <212> DNA  
 <213> Homo sapiens

<400> 23218						
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aattatagca	acagcctcct	tattagtctc	cctgtttttt	atttttattc	ctttctacac	120
tacaaccaa	ttgctccaaa	agacttactg	atcatgtcac	tgcatgtgct	tcaccattgc	180
tcttagggta	caatacaaat	ttatcttcat	ctttaaggtc	tcagtatgcc	acttcatcta	240
ggaaaccttc	attgatgccc	tctagattag	gtgcccttac	tatccattcc	ctatacacc	300
tggtcttttc	cagacataca	cttggcact				329

<210> 23219  
 <211> 124  
 <212> DNA  
 <213> Homo sapiens

<400> 23219						
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aagagacaaa ggacaa 136

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 <212> DNA  
 <213> Homo sapiens

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<211> 85  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<211> 158  
<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<210> 23247  
<211> 191  
<212> DNA  
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<400> 23247  
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<210> 23248  
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<212> DNA  
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<400> 23248  
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<210> 23250  
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<213> Homo sapiens

<400> 23250

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<210> 23251

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<212> DNA

<213> Homo sapiens

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<210> 23252

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<212> DNA

<213> Homo sapiens

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<210> 23253

<211> 174

<212> DNA

<213> Homo sapiens

<400> 23253

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<210> 23254

<211> 56

<212> DNA

<213> Homo sapiens

<400> 23254

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<212> DNA  
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 <213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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catcttaga 309

<210> 23269  
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<212> DNA  
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<400> 23269  
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tgtgagcctg gggaaactat tattaataat atttactgtt gataatattg gggaaaacag 180  
cccttaactc tgaggtttct gctgtgctcc tgtccaaaac agacttccag gactctgaag 240  
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<210> 23270  
<211> 323  
<212> DNA  
<213> Homo sapiens

<400> 23270  
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ctagcaacat gttagcttat tttagctatg tgacaattgt aatcccatag gttggtcaat 180  
ttgcttgtaa gatttaaaaa taagctgctt tcaaaataat atcaggccgt tcatgggtggc 240  
ccacaactgc aatttcagtg ctttgagggc caagataaga ggatgacttg aggccagggtg 300  
ttccatccag accaggctcg gcc 323

<210> 23271  
<211> 136  
<212> DNA  
<213> Homo sapiens

<400> 23271  
cggttcttta ttgaaatggc ctttttaatg tcatctttta tttaatcaaa tagtgtcatc 60  
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aaaaagatgg tacaag 136

<210> 23272  
<211> 410  
<212> DNA  
<213> Homo sapiens

<400> 23272

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agcatatcag	gaaaaagtac	acagtgaagt	ctgtttat	ttttaggct	cattatgttt	180
atgttcttta	agatgtatat	aagaacctac	ttatcatgct	gtatgtatca	ctcattccat	240
tttcatgttc	catgcatact	cgggcatcat	gctaatatgt	atccttttaa	gcactctcaa	300
ggaaacaaaa	gggcctttta	tttttataaa	ggtaaaaaaa	attccccaaa	tattttgcac	360
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<210> 23273  
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 <212> DNA  
 <213> Homo sapiens

<400> 23273						
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atctggcgaa	gtctgtaagg	cacacaaacc	taaaacactt	catctctggt	ccgttagagg	180
aaaaaattgc	caactcccca	tctaaatctc	attaacttta	ttcccttcag	aaagtcctag	240
agtgaagttgt	tttttcactc	ccaatattat	gcagtctgat	ttagtcatga	ttgaratatt	300
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<210> 23274  
 <211> 310  
 <212> DNA  
 <213> Homo sapiens

<400> 23274						
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gaggtgaaag	aagaggagaa	tgaaattaga	gaggatgagg	aacctccaag	gaagagagga	180
agaagacgaa	aagatgacaa	aagtcacagt	ttacccaaaa	ggagaaaaaa	gcctccaatc	240
cagtatgtcc	gttgtgagat	ggaaggatgt	ggaactgtcc	ttgcccatcc	tcgctatttg	300
cagcaccaac						310

<210> 23275  
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 <212> DNA  
 <213> Homo sapiens

<400> 23275						
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agtccgtgaa	catctttctc	accgggagac	tcagcagtg	ggtkscgtcc	ttagcggcct	180
gcagtgggaa	gctggagcag	cacacgggag	ggcgtgggg	catctacagc	ccgga	235

<210> 23276  
 <211> 455  
 <212> DNA  
 <213> Homo sapiens

<400> 23276						
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acatcaaata	tcaatgagct	tgaaaatgaa	acaagacatg	aatagagttt	agaaatcagg	180

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cctatgacct	aaattggaaa	ggcgtctctt	aatagcacc	tcctccttaa	catcaaaaag	360
catttattaa	gcaagtaatt	aatcacttac	agcctgggcc	acccgttgtg	taagaaaaca	420
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<210> 23277  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

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acctgcaagc	aatcaaggcc agtctaccct gcagcccttg ccgccttccc ataagcagca 240
ctctgcacag	catcatccat ccatcacttc tctcaacaga aactccca 288

<210> 23278  
 <211> 159  
 <212> DNA  
 <213> Homo sapiens

<400> 23278	
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caccttccag	agccattctt ttatnwctr ttaccgcga 159

<210> 23279  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 23279	
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cgtgaaacca	ctagattgta ctttttaaaa tggtagcttt atggcatgga attttatctc 120
aattttttaa	aacctaagaa attatwacta atataaagaa gaaaatgaca attgcctgtc 180
atcccacctc	cbagaggtaa acaaacattc 210

<210> 23280  
 <211> 432  
 <212> DNA  
 <213> Homo sapiens

<400> 23280						
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taaatgcaat	gaagatttgc	tttcattwwg	acagaggtga	ggacaaaatc	cgagtgga	180
gttatgat	gctagaaagc	aacaaatgtg	gatcactgac	caaaacgatt	atgtacttga	240
tgcaaatgca	gattgcata	tggtatata	atagtacttt	gtgtttttgt	tttccctcat	300
tcagtcagtt	atttttcagt	gtgaatacat	gttggttagaa	gatgtcttgt	atggtcttaa	360
tctttgttgt	gtactatttt	tttatagtct	taagttataa	tgaaaaaaca	aaaagtagga	420
accaaacata	aa					432

<210> 23281

<211> 139

<212> DNA

<213> Homo sapiens

<400> 23281

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ttcccacttc	ccacaaaca					139

<210> 23282

<211> 290

<212> DNA

<213> Homo sapiens

<400> 23282

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gcagtgttga	aatctccagc	tattacttta	ttggggccta	tctctctctt	tacctcta	180
aataatattt	gctttatata	tctagatgct	tcattgttgg	gtgtatacat	atgtttaaaa	240
ctgttatatc	ttcttgctga	attgaccgct	ttatcattat	agagtgcgct		290

<210> 23283

<211> 91

<212> DNA

<213> Homo sapiens

<400> 23283

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<210> 23284

<211> 186

<212> DNA

<213> Homo sapiens

<400> 23284

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cactcatgtt	aaggatgaag	tcaggtatga	agttaactgt	tcgggtatct	atgaacagga	180
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<210> 23285

<211> 235

<212> DNA

<213> Homo sapiens

<400> 23285

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gtgcagagct	gaccaaagga	aagagtaggc	atcagtgcag	tatgaatgca	tacctcacca	180
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<210> 23286

<211> 106  
<212> DNA  
<213> Homo sapiens

<400> 23286  
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caggaacccc cctcttgac cggcgactca cgtgggaaga agaatt 106

<210> 23287  
<211> 353  
<212> DNA  
<213> Homo sapiens

<400> 23287  
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gctgcaggta gatgacctga aaggacagg aggtaacagt ctggccaaga ccacwkagcc 180  
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tkctcaaccc ctggcaaagt ctcacttgaa caaagccagg tggatgatac aaggtatttg 300  
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<210> 23288  
<211> 259  
<212> DNA  
<213> Homo sapiens

<400> 23288  
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gaccaaattg agaagatgag ataacttctt aattgggttt tgacaagcct atttgaaaaa 180  
ttaactcaca attataacaa gtgaaagata aagacaagta tgttgaaaat aagctgtagg 240  
ataaattgta tcttgaatt 259

<210> 23289  
<211> 333  
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<213> Homo sapiens

<400> 23289  
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aaagactgat tgaaggaaag aaaggggtga aagtggaaaa cagaccttc ctctcaaaac 180  
tcattctcww caatgtctct gaacatgact atggtaacta cacttgctgt gcctccaaca 240  
agctgggcca caccaatgcc agcatcatgc tatttggtcc aggcgccgtc agcgaggtga 300  
gcaacggcac gtcgaggagg gcaggctgcg tct 333

<210> 23290  
<211> 172  
<212> DNA  
<213> Homo sapiens

<400> 23290  
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tagataatag agaaaagggc tttacttcat gcttcttgcg tcrstcaag cacacaggac 120

agacagaagc tccccacgca cccttgtgac atagtcaccc atctgccgca ac 172

<210> 23291

<211> 154

<212> DNA

<213> Homo sapiens

<400> 23291

atacactagg attttttattt gtaaccatat attaaagata cttttttaca gaaattagta	60
tatgttttagt aaaagtattg gctaattttt cttgcaacaa ttttwtcaat aaaagccatg	120
tagtagttca aggaccttga gcactgcccc cacg	154

<210> 23292

<211> 284

<212> DNA

<213> Homo sapiens

<400> 23292

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atgcagaaat gttcatttcc ctttttaaga aaggatttat tgagattata taacatatata	120
ttcacccatt taaaatgtac aattcaaagg ctttttagtat attcataaaa ttggacaacc	180
atcagcatta tccattttca aatcttttta tcaccccaaa aagaaacctc acatccctta	240
gctgtcactt acaaacactg tatatctccc agcccttggc ctaa	284

<210> 23293

<211> 393

<212> DNA

<213> Homo sapiens

<400> 23293

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gaatctaaat gttgtctctg gagacaagaa gccttcagta tgttaaatta ctttcattat	120
gtattttcag atgcttattg attccacagt aggaagagtg agagactgca gcagcctcta	180
agcagcacta catgttccat acatttagcag tactgctgaa acaatggcac actacagaca	240
catattttca ttaaggtcat tttogaagag atgtttatga ccctcttccc ccagtcctct	300
actaacaagt gaacaaaatg aatcaatcca aactggaaat gcttcaacta catcaagaat	360
ttatcaaadc tttagcagag ggccaatagc agc	393

<210> 23294

<211> 190

<212> DNA

<213> Homo sapiens

<400> 23294

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gacttctaaa ttgtttcccg tttcctctg tttcaaataa tgctgtagtc aattgctttt	180
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<210> 23295

<211> 469

<212> DNA

<213> Homo sapiens

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cacttggagc ttttgttttc ttgggcctag aaggcatctc ttgtttataa aaaaacactg 120  
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tgtattattc ctaaattgtg taataacacc ttacaattgg aaaaaaatga gttatagatg 240  
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cttctgatac caaattttgt gccttttctg tagtgccatg cttcctctcc aaagcaatag 420  
ttgaatttct gcaattttta gaaaatcata tatgtcgtgt tatattaga 469

<210> 23296  
<211> 216  
<212> DNA  
<213> Homo sapiens

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gcactttggg aggctgacgc aggaggatac ttgagcccag gtgttcaaga ccagcctggg 120  
caacatagtg agactccacc tctacaaaaa aaaaacccaa taaattasct gggcatggtg 180  
gwatgascct gwagtcccag cwactctggt ggcraa 216

<210> 23297  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 23297  
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aacaccc 127

<210> 23298  
<211> 168  
<212> DNA  
<213> Homo sapiens

<400> 23298  
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gttctttgtt aaataaatag aaggacaaaa attatactga caccaaaa 168

<210> 23299  
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<212> DNA  
<213> Homo sapiens

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ttttataacg tgcataaggt taccatcatg ggc 153

<210> 23300  
<211> 294  
<212> DNA

<213> Homo sapiens

<400> 23300

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catgtcttca	gaactatttc	cttatgggag	aatgtttata	taacattaag	taaaaaagta	120
tgatatgaaa	gtgtatgaac	agaatgatcc	cctagtgtgt	gtatatataa	gaactgggct	180
ggacagtggg	accctgtcca	catcccaggg	tcagctcttg	tatatataaa	agagttgatt	240
ttattttaac	cccattatcc	ccttttgtac	acacgcacac	acacacacac	acct	294

<210> 23301

<211> 78

<212> DNA

<213> Homo sapiens

<400> 23301

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cttttaaaca	ggagcaac					78

<210> 23302

<211> 235

<212> DNA

<213> Homo sapiens

<400> 23302

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gaagagtcac	tgaagacaca	attggcatac	ttcactgata	gcaaaaatac	tgggaggcaa	120
ctaaaagata	catttgcaga	ttccctcaga	tatgtaaata	aaattctaaa	tagcaagttt	180
ggattcacat	cgcggaaggt	ccctgctcac	atgcctcaca	tgattgaccg	gacgc	235

<210> 23303

<211> 102

<212> DNA

<213> Homo sapiens

<400> 23303

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<210> 23304

<211> 432

<212> DNA

<213> Homo sapiens

<400> 23304

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ggaggaaggg	agggggagag	acagagacct	agaggggctg	aagaccaga	cagagctggc	180
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ccaataaatg	tgaacatggg	atctgtcacr	ggagctgtcc	tcaagacgct	acttctgtta	300
tctactcaaa	attggaacag	agtcgaagct	gggaattcct	atgactgtga	tgatcctctt	360
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cctggatttg	ca					432

<210> 23305



<211> 148  
<212> DNA  
<213> Homo sapiens

<400> 23305  
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tgcttttata aaaaacaaac atgggttg 148

<210> 23306  
<211> 154  
<212> DNA  
<213> Homo sapiens

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kattaaaaag aaaatggccc aacggagcac tgtatttctt tctcttgta ccaaggaaag 120  
gtatdatata tggaaaatat gcatctaakg cgcg 154

<210> 23307  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 23307  
tagacaaaat aagaatgcaa gcctagaggg gaaaagccat attccatttt aaatcaraga 60  
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atggctgcct actcagggtg ctccctgccc agcgcagacc aatcccaaca cgtcttctct 180  
ggtttatgaa gactctctc tggtttctaa acctctgact ttcaagtccc gtaaaaactg 240  
acataaggca aa 252

<210> 23308  
<211> 206  
<212> DNA  
<213> Homo sapiens

<400> 23308  
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aatgtaatga tttgatatgt gtatacgttg tgaaataaaa tatagtcaag ttgatgaaca 120  
catctattac cttacatgga taaccttttt ttttttatag taagtatmct targgyctac 180  
tgtkgtggca aattttaagc atakgt 206

<210> 23309  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 23309  
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ttttctctgc catgtatctc tgtatcttgt tctcaaagcc tcattccagt ctgttcttaa 120  
atgccagctt ctacagagaag ccttctctgac tctccggtct aaagtagcag caccatctct 180  
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<210> 23310

<211> 351  
<212> DNA  
<213> Homo sapiens

<400> 23310  
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ctgggaggca agttatgggc agcactgctt ctggccgcac catgaagcct gactctgctt 180  
gcgctctgcc cagggccctg ctctgtctga gcattgggt tctagctgcc cccctcccca 240  
cagcctgccg ctgctaggag gtagaacttt aggagtggc cttggcctgt ttctacctgt 300  
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<210> 23311  
<211> 266  
<212> DNA  
<213> Homo sapiens

<400> 23311  
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gcctagattt gaaataatgt tttgtacttc ggtaagatgg aaaacttagt gattcactga 180  
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gaaactgcac tgcctcaac atccagcccc tac 153

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cacggcgccc	gggatttcgg	ggacggcttc	tcccatcgca	agtttcaaca	gaaaatgaga	180
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<211> 158

<212> DNA

<213> Homo sapiens

<400> 23321

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<211> 183

<212> DNA

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ataatttata	tttttataac	tatatatttct	agctatataa	attattcagc	tgaccccccc	180
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<211> 126

<212> DNA

<213> Homo sapiens

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<211> 243

<212> DNA

<213> Homo sapiens

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ttaacactaa	gtgagaggaa	tgatctacac	ttcacaatga	tagaaatatt	tgagagaccct	180
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<211> 130

<212> DNA

<213> Homo sapiens

<400> 23325

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<211> 187

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 23329

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<212> DNA

<213> Homo sapiens

<400> 23329

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gcagaaggat	ccttgggtcc	aggacttcaa	gaccagcctg	ggcaacttgg	cgagaccctg	360

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cgggaaaagg	cgagggcaaa	ggcggggcgg	acagaccag	ctgcggctga	gggactgcgg	360
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gtatctggaa	tgtgttatta	aggagaccct	tcgccttttt	ccttctgttc	ctttatttgc	180
ccgtagtgtt	agtgaagatt	gtgaagtggg	taagtatgct	atacctaaag	tagaaggagg	240
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agatttggca	cacagacatc	agcagatgca	aaattggaaa	taggcaatgc	agaaaaggaa	180
tggtatttct	gaaaagtaac	agacactgtg	gcacatatta	attgaaaaag	ctgatgattt	240
tccttggaaa	gaaagaaaga	agcactgagt	gttttwnwat	aagtaaaatg	aggagtttac	300
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attaaaatac caatgtc 137

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<213> Homo sapiens



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<212> DNA  
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<210> 23347  
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<212> DNA  
<213> Homo sapiens

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<210> 23362  
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 aaaacaccca ggcttcagta gaagaccctt tgaatgacct ttctttgggt tgcacaggt 240  
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<210> 23365  
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<210> 23368  
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<210> 23370  
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gagtcagg g 131

<210> 23371  
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acaatgaagt attattcaga tataaaaaat aaaatcctgt caactgcagc aacatggatg 120  
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<210> 23372  
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gaatgacgtt agatgggtcg ttgttaaagt acttaatcat catcattatc aacggcagcg 180  
ctttatactt cagtccgtgt aaagcatgca ggaccggt 218

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accagaaata ccatttgacc caccaatccc attacta 157

<210> 23374  
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ccctttcccc gctccccagg cgcttcagca ccgcggacag cgcccatccg aatcactgag 180  
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ccac 244

<210> 23378  
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<210> 23380  
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<212> DNA  
<213> Homo sapiens



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<210> 23381  
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<212> DNA  
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<210> 23386

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<212> DNA

<213> Homo sapiens

<400> 23386

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ggcctcccga	gtagctggga	ctacaggcat	gcgccaccac	acctggctaa	tttttttgtg	240
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<210> 23387

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<212> DNA

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<212> DNA

<213> Homo sapiens

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<210> 23389

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<212> DNA

<213> Homo sapiens

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gtggtgcatg cttctaattc cagcctcctg agtagc 396

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<213> Homo sapiens

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aaaggagggt taattgactc acagttctgt ggggctgggg acacctagaa aatttacaag 180  
tatggtagaa ggggaagcaa acacatcctt cttcacatgc tggcaagaga gagaatgaga 240  
accaagtga gcgngggagt cccttataaa accatcaaatt cttgtgaaaa cttactcatt 300  
atcatgagaa tagcatgagg gtaatcacc ccatgattca attatctccc actgggtccc 360  
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<400> 23400  
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<400> 23401  
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<212> DNA  
<213> Homo sapiens

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tgagtttgct tcttcataat gttttaaatg cttcacaaac atttttcttt ggtatattga 180  
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tgagttgccc cccctgactt tgaacacatc tatggtctgt gtcacttca aagagctcat 360  
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ccgarac 427

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<211> 181  
<212> DNA  
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<210> 23404  
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<212> DNA  
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<400> 23404  
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ctgcaatcag tacagtgtgt cgggagccta gggaacatgt gaggaacat tgtgagatga 180  
ggctgaagac atggactgga gaactttata aaccatgtta aggaatttag attttatttt 240  
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<211> 362  
<212> DNA  
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caaatagtct gatctccaaa ctttgcttga ccacatcctg tagcctcttg gtttcatggc 240  
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gc 362

<210> 23406  
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<212> DNA  
<213> Homo sapiens

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gagtbcaaaa aaaayawagc caaaaaatat atgavggata gctgttctwc tgtgtwctct 120  
cattatggac tttgtgaagt agaaacataa ttttttttcc tccaaagggtg aaaaaacaat 180  
gcattcttgc tttaaaaaaa aaaaa 205

<210> 23407  
<211> 114  
<212> DNA  
<213> Homo sapiens

<400> 23407  
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<210> 23408  
<211> 425  
<212> DNA  
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<210> 23409

<211> 229

<212> DNA

<213> Homo sapiens

<400> 23409

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ataattttat	tctaggattt	tatttttggc	ctaatatagg	aatgtttaaa	aaaggctttt	180
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<210> 23410

<211> 374

<212> DNA

<213> Homo sapiens

<400> 23410

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caatttccct	tcacatagat	gacagaaaag	caagaaagta	gctgccttaa	ctcgaacagt	180
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tggttcccg	agaacaagga	acactttagc	tacttcttac	tcttttaaca	ccaatggctg	300
tgggagaagg	aaaggctcaa	ggccagggct	cagctcgag	agtccatctt	ctcccacagt	360
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<210> 23411

<211> 255

<212> DNA

<213> Homo sapiens

<400> 23411

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gtgtcttgag	gctccattt	ttgatgattt	ggtaggagac	tgacaggact	cagcacatag	180
ttgtgttcac	agctaagatt	tattacagcc	aaagggtaca	aagcaaaatc	agcgagaggc	240
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<210> 23412

<211> 242

<212> DNA

<213> Homo sapiens

<400> 23412

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agtttgagtt	tcctttggaa	catccaaatg	gaaatgacag	ataggcagtg	ggtccctggt	180

ctcaacatcg tgaaagaaat ttgatagtat catacacagt tgacaactga agccatggac 240  
aa 242

<210> 23413  
<211> 437  
<212> DNA  
<213> Homo sapiens

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tagagtagca gctcccagac ccagttcttg gactgaaggc taaccttca cctgctgtcc 180  
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ttcctgaagg tctcactgt ytgcataatc ctcaggccac ctccaaacc cactaggtt 360  
ttataatgta tatbatatat ttttttgtgt attttttaaa tccagctgtg aatgggttat 420  
atcataaatg cagcttg 437

<210> 23414  
<211> 416  
<212> DNA  
<213> Homo sapiens

<400> 23414  
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cctctgccct aaagaacgak wagaatcgtg ttctatgcct ggaggacaga ggcagccgt 180  
gcgggtcgga cagccactc tgttctgcca gtacttcggg aggttctggg gtgcatagt 240  
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gccgtttcac gatctgttta atttttgacc tacagtgccg gggttggggg cccgcctcgt 360  
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<210> 23415  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 23415  
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acacacgcac acgcacacac acacacacac acacacacac acacaaatcc cagtgtcttt 120  
ttatgcatgt ggtgagatga aattgtgatc tttgtgtgac ctccagctgc 170

<210> 23416  
<211> 399  
<212> DNA  
<213> Homo sapiens

<400> 23416  
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agagggggca tgtggttgag aaagasawta ttttattatg gagagtttct ggcacattga 180  
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aaggactcaa gattgacatc ttggagcagt aggaaaagat tggmctaaga aaaaagtgga 300  
caaaaattaa ccttggatag gaatagagac acctttctca ctgcaaataa ggtgaaaagg 360



gaggaataaaa ggcaatgcag gtaagcctac agtgtcagt 399

<210> 23417  
<211> 445  
<212> DNA  
<213> Homo sapiens

<400> 23417  
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gataccgcct tggctgtact atcatTTtag agattTTtaca cacacaaaaa aacatattac 180  
catgctTTga gTaaagtatt accaggctTT aagTTgatct gTTctctagc tgcagTTttc 240  
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atTTTtattt tTcaagacca ccagattagg ataagagact taatgcctac caaatcagtc 360  
acattcctgt tctataacat gTtagataca tagagccctg tdttatgatg ggaganacva 420  
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<210> 23418  
<211> 178  
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<213> Homo sapiens

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tggccaagga gacagatgga gctcaagttg ggagatacgc cctgagagcc gatgatag 178

<210> 23419  
<211> 296  
<212> DNA  
<213> Homo sapiens

<400> 23419  
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accaagtaat tctTaaatat tttgcagcca ccaaccagat gtcctagaat tTaatTaaat 180  
tttaccacta cccagagtta gcacaggccc wawaggTtaa ragcycagtc ytgcaagmyt 240  
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<210> 23420  
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<212> DNA  
<213> Homo sapiens

<400> 23420  
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<210> 23421  
<211> 170  
<212> DNA  
<213> Homo sapiens

<400> 23421



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ggggatcggc gctctggctg tttcgtgaag gagagagagg tgggtctctt ctggccccag 180  
tgagtgtggt gtcctgctcc aggggtgtcc ggggcgtg 218

<210> 23427  
<211> 82  
<212> DNA  
<213> Homo sapiens

<400> 23427  
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accgccagcg cgaccatgtc cc 82

<210> 23428  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 23428  
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gtcttgctgt gttgccagg ccggagtgc gtggcgcaa 159

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<212> DNA  
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<400> 23429  
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<212> DNA  
<213> Homo sapiens

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tgtcacattg ttatgtgaat tgagcacaca tttttaaaga aagtttataa aaaattttta 240  
gaaccaact 249

<210> 23431  
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<212> DNA

<213> Homo sapiens

<400> 23431

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<210> 23432

<211> 134

<212> DNA

<213> Homo sapiens

<400> 23432

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<211> 179

<212> DNA

<213> Homo sapiens

<400> 23433

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<210> 23434

<211> 125

<212> DNA

<213> Homo sapiens

<400> 23434

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tcagagacta	ggattgcaac	ccctgccttt	ttttgttttc	catttgcttg	gtagatcttc	120
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<211> 295

<212> DNA

<213> Homo sapiens

<400> 23435

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<210> 23436

<211> 117

<212> DNA

<213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 aattgcacaa taaaacctca aaattccttg ggtatcttgg gacaatttat gtggcccttc 180  
 cactggaatg gaaactccca aagggaacct ttttatksac tgctatatcc tcacaaacta 240  
 gaatagtgcc ctgcgaa 257

<210> 23438  
 <211> 393  
 <212> DNA  
 <213> Homo sapiens

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<210> 23440  
 <211> 275  
 <212> DNA  
 <213> Homo sapiens

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 tatgctatgt aaacataagt aagtsaagat gcttaagtga cgaactagg 180  
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<210> 23441  
<211> 230  
<212> DNA  
<213> Homo sapiens

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tctcctagaa ctgccaatga ttcaccagtg gcaactgttg gatgtggtca ttaagatgcc 180  
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<212> DNA  
<213> Homo sapiens

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<210> 23443  
<211> 457  
<212> DNA  
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<210> 23444  
<211> 124  
<212> DNA  
<213> Homo sapiens

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cctg 124

<210> 23445  
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<212> DNA  
<213> Homo sapiens

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 aataccaagg agagaaacat atgttaactt taaaaaaca acaaaaaatg tcaatttgta 120  
 tattggtatt caagtgggag cgataaacca ttaatacaca tataagggat ttcggagaaa 180  
 atgttttggg agcagatttc tgtccttggc atctgtgatg gagggaggat gatttgcgag 240  
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 tttcacatgc ataaaaagtt gtataaatat cagtactttg tacaagaggc caattcaatg 420  
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<210> 23446

<211> 262

<212> DNA

<213> Homo sapiens

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 gagacctccc tgccctgcct ctgttgtccc ccagagcact gcctgatcat cctctgttcc 180  
 ccacctccc agcccttcct gctgtacctg tggggagctg atctcctcag tccccctgct 240  
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<210> 23447

<211> 143

<212> DNA

<213> Homo sapiens

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<210> 23448

<211> 353

<212> DNA

<213> Homo sapiens

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 acttggcagc tccctccaga atctcagctg gatttttaact caccttggcc taaagaaaat 180  
 gacagaagtg ataaagtccct cagcctgagc cttaagaaac cttaaagcgt tccacattct 240  
 ctttgggatc cctgcttctg ccatgagaac agggctgggc tagtttgatg gaagatgaga 300  
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<210> 23449

<211> 296

<212> DNA

<213> Homo sapiens

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aattgtgcct	cctcacgcac	agttcagagg	tgcttgggtg	ggaagctgct	tctgctccgt	180
gtggccctag	aagactgatt	taggggagtt	ttacactcaa	ctatagatga	tttttctgag	240
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<210> 23450  
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 <212> DNA  
 <213> Homo sapiens

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attatttaaat	tatttttaaaa
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<210> 23451  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 23451	
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tgcaactagtc	aataattaga
gccttttaaaa	aatctatcat
caaagaaaag	actgggttatg
agtgtatatt	tgtggttaggc

<210> 23452  
 <211> 128  
 <212> DNA  
 <213> Homo sapiens

<400> 23452	
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aacccatgtt	gccgattttt
gacgagta	

<210> 23453  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<400> 23453	
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ggaggttgca	gtgagccaag
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tacctaattgc	gacatttaag

<210> 23454  
 <211> 162



<212> DNA  
<213> Homo sapiens

<400> 23454  
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raatttggtt aaaaatgaat aagtatttgt agtagtagcg ct 162

<210> 23455  
<211> 90  
<212> DNA  
<213> Homo sapiens

<400> 23455  
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ttgtggctgg agcagtcctg gcctgagccc 90

<210> 23456  
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<212> DNA  
<213> Homo sapiens

<400> 23456  
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cagaggaacc a 191

<210> 23457  
<211> 212  
<212> DNA  
<213> Homo sapiens

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aacacctcaa gttctgcgag cattaatga tggaatgata ataattgtta gttaacattt 180  
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<210> 23458  
<211> 187  
<212> DNA  
<213> Homo sapiens

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ttattacctg tgctgtaaat atgaaaactt gcaaaatcag tgtaggaaka tgatttaagg 180  
aagcaaa 187

<210> 23459  
<211> 401  
<212> DNA  
<213> Homo sapiens

<400> 23459  
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gagaggaagg aaggacaaaa ggaaggaatg aattattctg atctctgttg actcctttat 120  
tgtgagtmth gaaaaactta gctagagggc agagttcaaa actcctttgtg ggtaaattht 180  
ataatgttht tcaagcaagg gtggcttcaa gaagtgactg aatttgtht ttaaatattg 240  
ccaaaatgaa tatcagctat ggcaaaacta aaaccagtkt ctaaaatggat agaactaaat 300  
aaccctatgt tatttagtca ttgtgtacat ttttcagaag actcataatg ttggacttac 360  
tggactacag twctgcatta aaatcatgtt ctataaggga c 401

<210> 23460  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 23460  
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<210> 23461  
<211> 225  
<212> DNA  
<213> Homo sapiens

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tttcagatag gaaatgtgag ctttaattaa tttgtattta taaatatcta catttctttg 180  
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<210> 23462  
<211> 152  
<212> DNA  
<213> Homo sapiens

<400> 23462  
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tgaattgatt tggtgtataa atcaaagttc tgttcatagg gaccatcaac aatgttctct 120  
gacctggcac ccttctgttc cccaccccca ca 152

<210> 23463  
<211> 305  
<212> DNA  
<213> Homo sapiens

<400> 23463  
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aaaaaggctt tgcttcagga ttatggagac agtkctgaaa agccagcata acttaatgat 120  
caatcagaaa aatatagagc agtaactaca caactgaagg atgcataaaa attgtacaaa 180  
acgttaatag tggaatgggg aggtaggatg ggattttacg ggcaagtatt aagctcttgg 240  
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gtcca 305

<210> 23464

<211> 91  
<212> DNA  
<213> Homo sapiens

<400> 23464  
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cagtctgggc actggtcctt ccttcccccc a 91

<210> 23465  
<211> 226  
<212> DNA  
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<400> 23465  
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atggcaaaat gatgtaaaaa gatttttcct actattctga gggctgttga aatcccaggc 120  
tattgctata tctccattga caaagtggga taaaaaatgc ctttgtcaaa taattttttt 180  
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<210> 23466  
<211> 408  
<212> DNA  
<213> Homo sapiens

<400> 23466  
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tcaagtgagg actttttaca ggccttaacc agagccttgc attctctttc ctaccaccg 180  
cccagtgggg ctcttttacc agacaagtag agttgaccac cttcagctgg ggacctgaca 240  
ctcattactc actggtcctg gtagcaggtg caggcagaac cattcaagaa gaaaaatcaa 300  
tgaaaagcag aagtaaatga ataagaaaga accggtatctt tgaaaagcaa agtgtgagaa 360  
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<210> 23467  
<211> 124  
<212> DNA  
<213> Homo sapiens

<400> 23467  
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atagggtgag ataaggctgt gaattcccat tttttgcctg tggatatcca actgtgccag 120  
caaa 124

<210> 23468  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 23468  
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astgctatac ttgggcatcc ggcaggtcag caagccgctt gcccaaccgta ttaaggaggc 180  
tgc 183

<210> 23469  
<211> 221  
<212> DNA  
<213> Homo sapiens

<400> 23469  
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gattcacagt tttaaatacca ggtgactgac atgcattcat ttttttcaag ttaatatgga 120  
aacatgtatt acaagacttt gaatgtacac actctttgag tcctgttttt gtttatttta 180  
tttgtggcta gtatacagtt aggcattatct ccagggctgt c 221

<210> 23470  
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<212> DNA  
<213> Homo sapiens

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gtcaggggaat atgtacccat cggcttttaga taaataagga aacagcaggc tgaaccagaa 120  
c 121

<210> 23471  
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<212> DNA  
<213> Homo sapiens

<400> 23471  
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ttggggaggct gaggagggag tattgcttga gccaggtgt ctggcctggg caatacagca 120  
agaccccatc tctaattttt tttaatacaa tagaataagc ccctc 165

<210> 23472  
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<212> DNA  
<213> Homo sapiens

<400> 23472  
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ggaggggtacc cgtggaggcc aagtagtagg agccttgagg ggtgggtagg tgcattggagg 180  
gtgacagcag cgctggttcc gttggcgctc gcgctaattg tggcagcagc agcaagtcta 240  
ggggccagga a 251

<210> 23473  
<211> 307  
<212> DNA  
<213> Homo sapiens

<400> 23473  
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acctctgtta taaaggagcg gatcccagag agtccttctc ctgctccttc tctagaagag 120  
aatcatcgtc ctgggagcca gacctcttcc cacaccagca gcagtgtgtc cagctctccc 180  
tctcagatgg atcatcattt ggaaagaatg gaagaggtag cagttcaaat tccaataatg 240  
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ggaccat 307

<210> 23474  
<211> 230  
<212> DNA  
<213> Homo sapiens

<400> 23474  
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gaatatattc ttcctaacaa tatttcttgt tacagccttt cacctgtaat tcatagttct 180  
gttatattgc aactgctttt ggcttttgaa ttgtttatac cagcaactgt 230

<210> 23475  
<211> 98  
<212> DNA  
<213> Homo sapiens

<400> 23475  
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ttcttaccag catctcattk tttttctttt cttttttt 98

<210> 23476  
<211> 208  
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<400> 23476  
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atTTTTgatc cgattgttca ggcttagaaa tcttggtttg gatgagaaaa caatgagggt 180  
gtccttgcct cctctctccc agcgctcg 208

<210> 23477  
<211> 297  
<212> DNA  
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<400> 23477  
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aaaatacgaa aaattagttg ggtgtggttg ccggcacctg tggccccggc tatttgggag 180  
gctgaggcgg gagaatggct ttagccccgg aggaggagct tgcagtgagc tgagattgtg 240  
ccactgcacc ccagcctggg cgacagagcg agactcagtc aaaaaaaaaa aaaaaaa 297

<210> 23478  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 23478  
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<210> 23479  
<211> 220  
<212> DNA  
<213> Homo sapiens

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acaccaatth ttgtcatttc ttattaaccc caaaacacca ttgaacattg ggccacaatg 120  
aaaccttcat gactggctct ttctgacct ctagtcagaa gaaaacagga ccatattggc 180  
ataatcacct tccccactcc tctttttacc cacctgctct 220

<210> 23480  
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<212> DNA  
<213> Homo sapiens

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gtaagaagct gtgtggattt ttgttctgtt tgcttttgag aactaagctc tgattttttt 180  
catcttgccc aaattcctac ttaagaggto tgggaagtca tgtcctacaa atcataaatt 240  
ctcatcacat ggattttatt taacactgta tgtcataact taatttccaa tctgactctg 300  
gtataaccag gaagaaatca aaatgtttta ccccaat 337

<210> 23481  
<211> 104  
<212> DNA  
<213> Homo sapiens

<400> 23481  
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ttcttaccag catctcattt tttttctttt cttttttttt tttt 104

<210> 23482  
<211> 91  
<212> DNA  
<213> Homo sapiens

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ctccattacc ctggaaatg ccaccaccg t 91

<210> 23483  
<211> 220  
<212> DNA  
<213> Homo sapiens

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agccaggagt ctctgaaatc atgtagcaga tgcccactcg 220

<210> 23484  
<211> 63  
<212> DNA  
<213> Homo sapiens

<400> 23484  
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cca 63

<210> 23485  
<211> 163  
<212> DNA  
<213> Homo sapiens

<400> 23485  
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gaattttata aactagcacg atttccttag ccaagaccag gaa 163

<210> 23486  
<211> 86  
<212> DNA  
<213> Homo sapiens

<400> 23486  
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aagtcgactg agtagtggtg gcctgg 86

<210> 23487  
<211> 78  
<212> DNA  
<213> Homo sapiens

<400> 23487  
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tttgaatgat tccggctt 78

<210> 23488  
<211> 298  
<212> DNA  
<213> Homo sapiens

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<210> 23489  
<211> 154  
<212> DNA  
<213> Homo sapiens

<400> 23489  
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tgaggcgagc aaaaaaatta aattttaacc atga 154

<210> 23490  
<211> 189  
<212> DNA  
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<400> 23490  
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ttaaataaat tgaggggtaa aagtaaatac agaaaattta agcaagtaaa ttagaaggta 180  
ggaggtgca 189

<210> 23491  
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<212> DNA  
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tatttttttt ctgaattatt tcaattaaga gtgctttgtc ctagctttga acatTTTTtca 120  
tcaaaaaggg aacatTTTTtca aaaatgagaa tagtatccta tgcctctcct tggcatagga 180  
taggcacttc taaaaagtaa aagacatctg acttttacct agtggtttgc cccgtattgt 240  
agaatccttt gtgaagtaaa ttgttccagg gatgggtggc gcatttctac accaacagct 300  
caatggcatt gaaggaacaa ggtagggcaa gattccttgc cttggagacc tacttctgag 360  
accattcttg tgaaaaattg cattttcttt gctttcaga 399

<210> 23492  
<211> 166  
<212> DNA  
<213> Homo sapiens

<400> 23492  
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cagcctgchg gccatgcagt gcctgttgat ctctaaacac accaggatgt gcgcaagatc 120  
ctgtagtgcc cccagtgcac aggtgagcag ttgtgtgccc aggcaa 166

<210> 23493  
<211> 207  
<212> DNA  
<213> Homo sapiens

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aaaaaaaaag ctgaggtaat tagtcaatgg tacatttgta tttcagaatt attaacgttt 120  
ttcaggcaaa agaaaaatgg tatcagatat aaacttagaa ctacaaaatg gattgaagaa 180  
catcagacat agtaaaattg tgggtgaa 207

<210> 23494  
<211> 282  
<212> DNA



<213> Homo sapiens

<400> 23494

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aatcagtgtc	cggcacaagg	acttgctgtg	ccaacgaaaa	ggaagcgagg	cattttggct	180
agtcaccgcg	tttttgctgc	gtcacaggga	gacagaagat	gggctgctat	ttcgtcggct	240
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<210> 23495

<211> 372

<212> DNA

<213> Homo sapiens

<400> 23495

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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<211> 113

<212> DNA

<213> Homo sapiens

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cacttcttcc tattgtaatc gtgtgccatg gatctgatct gtaccatgac cctacataag 180  
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<212> DNA  
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ttgaatggta ctgctgaaga tctgagttga ctactgaaa ttttattttc ttattttttt 180  
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<212> DNA  
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taccaaagat cactggaagg cccagtccta atgttagggg tttgtttaaa gtccttttta 60  
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 tggcaggatt gcaggcatta attccaagcc ttttcaaggt gattgatatt ttggggcaag 180  
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 atgtattttt acccagtga 199

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tcttctacct	tagatctgat	ggacctcctg	ggatttcctg	gggcagaagc	gggccaagct	180
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cca						243

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 cwtggttggtc actactttat gatattaata actgtatctc attatatgtt tgttataaac 180  
 tagacaagtg ccattctgat ttacctatga gtttcatgag cttggtattt tttgtctccg 240  
 cttaaggaat agtgctgaca aactccattt ctgagcctac ttgattgggt accagccaaa 300  
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<210> 23529

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<212> DNA

<213> Homo sapiens

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 gggagggttg ggtgggagaa tcgcttgaac ctgggaggca ggggattgca gtgagccgag 360  
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<212> DNA

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<211> 151

<212> DNA

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 ccttargctg ataagcawct tcagcaaagt ctcatgatac aaaatcaatg tgcaaaaatc 420  
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<210> 23537  
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<213> Homo sapiens

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<210> 23538

<211> 227

<212> DNA

<213> Homo sapiens

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ctgtctatta cgagtagact cacagtttgt ggcacacttt tcaaataaat agattaaaaa 180  
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<211> 93

<212> DNA

<213> Homo sapiens

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<211> 55

<212> DNA

<213> Homo sapiens

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<211> 145

<212> DNA

<213> Homo sapiens

<400> 23541

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<210> 23542

<211> 133

<212> DNA

<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

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<400> 23547





<211> 409  
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<212> DNA  
<213> Homo sapiens

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<211> 260  
<212> DNA  
<213> Homo sapiens

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gggttctagc caaccaaact gtatttagag actaaaaaat tagccacatg aacaaaagta 180  
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attaagtttg aaaaccgccc 260

<210> 23560  
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<212> DNA  
<213> Homo sapiens

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<210> 23561  
<211> 252  
<212> DNA  
<213> Homo sapiens

<400> 23561  
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cactgaggta acatctaaaa cagagatgtg gttcttaatg tttaacagaa cagttctaata 240  
cctgccacgt ga 252

<210> 23562  
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<212> DNA  
<213> Homo sapiens

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aatactcagt tacagcct 198

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<400> 23566  
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<400> 23567  
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<212> DNA  
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<210> 23569  
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<400> 23569  
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cctgcagccg t 131

<210> 23570  
<211> 187  
<212> DNA  
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<400> 23570  
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ggacggc 187

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<212> DNA  
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<400> 23572  
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gctcatgccca ccatgccag ctaatttttc tggttttatt gaaaacggg tttcaccatg 240  
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<210> 23574  
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<212> DNA  
<213> Homo sapiens

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<210> 23575  
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<210> 23578  
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<210> 23579  
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<212> DNA  
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atccggtaaa tgtagtattc ttaacctgtt ctatattact tatacctatt gtctatatag 240  
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agagttttat aaactgtttc taggttgcta aagaatttat ttttctacta tatatggtat 360  
agacaaagca 370

<210> 23580  
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<212> DNA  
<213> Homo sapiens

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<213> Homo sapiens

<400> 23581  
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taaaagatct	tcaggaaaac
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<210> 23583  
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tatgtgtcat	taaaaattta
cttgaccatg	ggcaacagat
gtccatgaaa	gaatgaccct
gatacagact	gaaatgttac
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<210> 23584  
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tctcaaaaaa	aaaaaaaaaa
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	60
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 <212> DNA  
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gtacctgtgc	tctgcccac
cagcttcttg	tcattccgag
cccaggtccc	aaagggcggt
gggaggagat	ggtgggagag
acagctaggc	cccatgctgg
acacctgaga	gggagaccct
ggctttgtgt	tgagatgtac
tgattcattt	ccatttttta
cctcattccc	ctcacggatt
tggctcyagca	gagttagatg
gcgctggtac	cttttccctc
catgaccttt	aaagcttaga
ctgatggcca	gtaggggtgt
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<210> 23586  
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 agagtac 187

<210> 23587  
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 <213> Homo sapiens

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<210> 23588  
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 gaactgttac tccaaatcca ctccgttttt aaagcaaaaat tatcttgtga ttttaagaaa 180  
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<210> 23590  
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 <213> Homo sapiens

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 caatgcctga gtccgtgtctc cgtgtttgac aggcagcctc ttgcctctgc ttaactactt 180  
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<210> 23591

<211> 412  
<212> DNA  
<213> Homo sapiens

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aacacacata cacatacacg cgcatsmta catatacaga gagatacgtg gagaaaggaa 180  
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aagatagtgt ctaggaaagt aatagtataa ctatagggat accgkwaca ggaaaaacca 300  
gccatcactc wtagagaaag tttgagttcg actcacatgg gagaatcgag gtctgtact 360  
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<212> DNA  
<213> Homo sapiens

<400> 23592  
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ttaggtgaac ttgggttctt tttgcatatt ttgttactca ctgcccag 108

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<212> DNA  
<213> Homo sapiens

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gcatcaaaac tacttctgt ctctcactaa ctgggtaatt ggtcacaaaa agtggacttc 240  
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<211> 192  
<212> DNA  
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<211> 129  
<212> DNA  
<213> Homo sapiens

<400> 23595  
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<211> 297  
<212> DNA  
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aatgatacat tttttgttct caatttctca attctacata cctgattatg agtgaagtat 240  
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<212> DNA  
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cnaggtcccc ca 252

<210> 23598  
<211> 331  
<212> DNA  
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<212> DNA  
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<400> 23599  
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gatttgcgta tattgaacca gccttgcatc ccagggatga agcccacttg atcatggttg 180  
ac 182

<210> 23600  
<211> 136  
<212> DNA

<213> Homo sapiens

<400> 23600

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<210> 23601

<211> 382

<212> DNA

<213> Homo sapiens

<400> 23601

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ccattgtggc	cagagaagac	acttgatata	atcttaatat	ttttaaatgt	taaagccttt	180
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tggattctgt	agccattgag	ttaagtggwc	tgtaaattag	gtctattttt	ataatcaaca	300
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<210> 23602

<211> 380

<212> DNA

<213> Homo sapiens

<400> 23602

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tactgcactc	tccagcctgg	gctacagagt	gagactctca	aaaaaaaaata	ataataataa	180
taagagaaaa	tagacaaggt	ctccaggctg	gtcaactcct	ggcctcaagt	gatcctccca	240
cctcagcctc	ccaagcagcc	gggactacag	gcaaacatca	ccatgtccag	ctgtccccag	300
ctttctaatc	tggcttttct	cttgccccag	aacctcaaga	aggcatgaag	ccagcccctg	360
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<210> 23603

<211> 403

<212> DNA

<213> Homo sapiens

<400> 23603

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gttaaatttg	cttttaagaa	atgttcacct	gtttactctt	ttattdswgc	ttaatcaaac	300
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<210> 23604

<211> 146

<212> DNA

<213> Homo sapiens

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atacaccage ataaaccaac ccccca 146

<210> 23605  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 23605  
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tccagaacat atgtaaaatt gctgagtact ttacgcatta ggtgatgaag aactagatga 180  
ttaaattgat ggcaaatact taaatataaa tatgtataca taaatataga aatataattta 240  
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<210> 23606  
<211> 127  
<212> DNA  
<213> Homo sapiens

<400> 23606  
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agaccac 127

<210> 23607  
<211> 108  
<212> DNA  
<213> Homo sapiens

<400> 23607  
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cgcagctaac agtgggagtt atctaagcaa tcagatgtta caggacat 108

<210> 23608  
<211> 304  
<212> DNA  
<213> Homo sapiens

<400> 23608  
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aaataaaaga atatgctgag atatttcatg aacacaccag caggcttgta gaggtaagca 180  
tgctagaact gtaactcact aaagtccagg agaatgaggc tcccattctc catttatggt 240  
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<210> 23609  
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<212> DNA  
<213> Homo sapiens



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 tctgtccctt aggctggagt acagtgggtt gatcacagct cgctgcagcc tcaacctcct 180  
 gggctcaagc gatcctccaa tttcagcctt ctgagtagat gggattatgg atgtgagcca 240  
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<210> 23610  
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 <212> DNA  
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 cagggcctag aacggcccg gcaacttagta ggcccagaga agaaactgag gcctggaatt 180  
 tgattaactc attcaaggtt acccagttgg taattcattt gcacacctgt tagcaagaaa 240  
 cagaagttga aggactggaa caagtgaact aggaaagagg gaacgccaat ccaaggatag 300  
 aaggacaagg acagaatcac cagcc 325

<210> 23611  
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 <212> DNA  
 <213> Homo sapiens

<400> 23611  
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 gcgtgatcag aggan 195

<210> 23612  
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 <212> DNA  
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<400> 23612  
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 aataaatgca cgtggtaggt gcccaataaa tattcctcga gtgagtagat gatctttagt 180  
 agccatcctg ctactacata cagacaaata gatatgactt ctgttcccac gttccttttt 240  
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<210> 23613  
 <211> 297  
 <212> DNA  
 <213> Homo sapiens

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 agtgttctaa agagggtgtc gttcagtttg ctttctgttg ccgcctaagc ctaaccttgg 180  
 gaccggccgt tttcccaact tcctgaatat cctccggccc gcagggaagg gcggagacgc 240

ggtggtttggc gctggcatcg actgggtactt gtttagtggt gtttaactgg gatggct 297

<210> 23614

<211> 253

<212> DNA

<213> Homo sapiens

<400> 23614

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tggtgtata	cccaaaggac	tataaatcat	gctgctataa	agacacatgc	acacgtatgt	180
ttattgtggc	actattcaca	atagcaaaga	cttgaacca	acccaaatgt	ccaacaatga	240
tagactggat	tcc					253

<210> 23615

<211> 447

<212> DNA

<213> Homo sapiens

<400> 23615

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gaggtggggc	ctgtaatatt	tttttctgag	tttcttctgc	ccaaaaatat	aatatagaac	180
taattgctaa	ctgacaaata	aagttaatag	ttaaatcatc	tccaaggaat	gttgctaate	240
caaagtataa	cactatcaat	ttgtgaggat	aataaatgga	atgccattag	tgtagatgtc	300
tgtgccacat	ctgacactgg	agtagtgata	acaaatagcc	catctctaga	ctctcgtgtt	360
gttatataga	ccattcatth	gcctgagcgt	ggcacagttt	taaaaatagt	tctcttgatt	420
gaatttcata	cmgaagatga	ctgtgat				447

<210> 23616

<211> 160

<212> DNA

<213> Homo sapiens

<400> 23616

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<210> 23617

<211> 370

<212> DNA

<213> Homo sapiens

<400> 23617

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aaagtagtct	aatagctttt	tgtcagcttg	atthttttgt	gtgtgtaata	ttcaagggca	180
gaatgacagg	acagataagc	aataagaaat	gtatagaatt	agaaaatata	gtagttccct	240
cttacctatg	ggacatacgt	tccaagaccc	ccagtgaacg	tctgaaacca	tgatagatat	300
agacctctat	acactgtttt	ttcctataca	tatataccta	tgataaagtt	ctatttataa	360
atcagggaca						370

<210> 23618

<211> 164  
<212> DNA  
<213> Homo sapiens

<400> 23618  
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gcastggagc tgacacaggc caacctccag aaggagaagg agac 164

<210> 23619  
<211> 376  
<212> DNA  
<213> Homo sapiens

<400> 23619  
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agccccgacg ttgcacagcc ctgcaggcag gggctggggg catccttcac tgagctggac 180  
gaaggggtcc tgggagcggc ctccggccct gaggcctcac tctctcgtag cctttgggaa 240  
ggaatcgcg cactctggat aatttcgtgg attcccaggg cagctcaggt gtccaccagc 300  
gggcatactg ctgcctcaaa gagttgggca agatgctgtt cgggggtgaag gacattgcac 360  
tgttggagca cgcgtg 376

<210> 23620  
<211> 360  
<212> DNA  
<213> Homo sapiens

<400> 23620  
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gttttaacca atgatggtgt ttgcttctag gatatacact ttaaaagaac tcactgtccc 180  
agtgggtgatc attgatggcc tttagtaaat tggagctgct taatcatatt gatatctaatt 240  
ttcttttaac cacaatgaat tgtccttaat taccaacagt gaagcactac aggaggcaac 300  
tgtnnacatt gcttccttaa ccagctcatg gtgtgtgaat gttataaaat tgtcactcat 360

<210> 23621  
<211> 372  
<212> DNA  
<213> Homo sapiens

<400> 23621  
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aaaggaaact taaattttgc cggtaaaaaca aacatatctc tacagactgt gattatactt 180  
cataagcatt taaatacagt tttattttatt tctttaaata tattacttgg gtaattaatt 240  
ttagatttga ttgcaaagag cactgtatag cagttgggac cagctcttgg cttggcttgg 300  
cttggcttat tgttatgagt ttattggatc agactaacia ataactttgt gatgaaaatt 360  
cttcaaaaat at 372

<210> 23622  
<211> 115  
<212> DNA  
<213> Homo sapiens

<400> 23622  
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<210> 23623  
 <211> 70  
 <212> DNA  
 <213> Homo sapiens

<400> 23623  
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 cgaggccttt 70

<210> 23624  
 <211> 302  
 <212> DNA  
 <213> Homo sapiens

<400> 23624  
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 aggctgggtct caaactcctg gccttgagag attctcctgc cttgggtctc caaactgctg 180  
 ggattacaat atccggccct actggaatat tttaaagtaa atctcaggtg ttacatcatt 240  
 gcacttgtaa gtactttaaa atgtatctct agcagataaa tctttttaac aaaaccacag 300  
 ca 302

<210> 23625  
 <211> 127  
 <212> DNA  
 <213> Homo sapiens

<400> 23625  
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 gatccca 127

<210> 23626  
 <211> 266  
 <212> DNA  
 <213> Homo sapiens

<400> 23626  
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 tctaattttt tatcatttgt atctaaaatt gctcttgatt ttgtggaatt aactttgagt 180  
 ccttaaatct tacaaaatgt acttagcagt bcttgtcttt ttgaagattc catgtgattt 240  
 tctacatata taataatttt gcctac 266

<210> 23627  
 <211> 295  
 <212> DNA  
 <213> Homo sapiens

<400> 23627  
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 ggtgaagaac tccgctgctt cagaaagaga atagcagcgc tgcgttaccg tgggaacacg 180  
 gccagttaac aaaatgggtt ttgggtttttt gttttgtttt gttttaccat tggtaatamg 240  
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<210> 23628  
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 <213> Homo sapiens

<400> 23628  
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 ggacatgagc caatttacia aaaaaaawta ccatttttct gcacacacac acgccccas 179

<210> 23629  
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 <212> DNA  
 <213> Homo sapiens

<400> 23629  
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 tttccgaaga ctttaaaaaa taaaacagca ggcgctgagt gttgtgttta ctttcgctct 180  
 gcctgtgttc acattccctc tcgtgaatat ttattgactt tctaccgcct gcaagaggct 240  
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<210> 23630  
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 <212> DNA  
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 cccagtcaag ttgagacata aaattaacca tcacaaaatg ctttcaaata cagagcaatt 240  
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<210> 23631  
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 ggggcggtga ggcgtcccgg cgaggagctg gggctgctct gagtttaaaa gacaggtggc 180  
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gatggggaag t 251

<210> 23632

<211> 249

<212> DNA

<213> Homo sapiens

<400> 23632

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aggacctaaa	ttaaagaata	gatatggagt	agaaaagtta	atattttaaa	gatgctat	120
cttttcagat	tgatcagtg	agattgatgc	agttccaatc	aaaatctgat	ggggttgctt	180
aaaaaattta	aatatatgat	ggataaatag	aagtataaca	atagatcaca	taacattatc	240
aacacgcac						249

<210> 23633

<211> 334

<212> DNA

<213> Homo sapiens

<400> 23633

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tggaagaaag	ctgagacaag	agaatttagc	catggtcaca	gattaggtgg	cactagtttg	120
aaaaatttag	gaccttagag	acatcat	cattccataa	ctttcctttc	tcgtatgtga	180
agaagaatta	gccacctatt	taatttctat	ctccaccaac	aaaatatcag	taggatatgt	240
gtwgcttatt	ggttaaggaat	actggtgagg	aataagaggc	taaggtacag	gtggagatgt	300
ttttaaaagt	aattactaat	gtataggaga	agac			334

<210> 23634

<211> 433

<212> DNA

<213> Homo sapiens

<400> 23634

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cctgtatcg	taatttatca	ttttccaac	cttggtat	tatattattt	agagaaaatg	120
ctggrtact	ctctttgcct	aagggtgact	aaacagccaa	acgaaacttc	cgttgcctcc	180
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ccatatgcc	cattcammg	ccamctctc	gmmgtggaac	cctgcmctct	cyyctcctgc	300
tgctgtagag	ttttcccaa	gcagtgtcca	ggagagaatt	tgagagagt	aagaaattgc	360
cttgtagatg	tgaggggctg	maatctgtct	tgatttctcc	aagcacttaa	ctttctttga	420
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<210> 23635

<211> 385

<212> DNA

<213> Homo sapiens

<400> 23635

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tcccaaaatt	cttttaaagt	ctggattttt	mmgctaatat	gtactttaga	gaatattttg	180
ttcatgcata	cttccacgtt	aaattgaaaa	tgtcttcagc	ttctcttggt	aaatgtgaac	240
catttgtttt	ttattgtgct	tgggggagag	ggtattttta	tataattttt	gcctaaatca	300
agaagtcccc	tctgaatggt	aattttttaa	tgtcaaaata	tgatgaacga	tatatcttga	360

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385

<210> 23636

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<212> DNA

<213> Homo sapiens

<400> 23636

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tgaaaaagtt	atthagagat	tggttgctctg	taagggcagt	agttcctagt	ctaacccttt	120
tgaaaatctg	ataaaagttg	tagactttct	tcatacagaaa	catttgctctg	tactcacagc	180
tcagtttttag	gtaagtysaa	gagccccata				210

<210> 23637

<211> 124

<212> DNA

<213> Homo sapiens

<400> 23637

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ccac						124

<210> 23638

<211> 102

<212> DNA

<213> Homo sapiens

<400> 23638

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<210> 23639

<211> 236

<212> DNA

<213> Homo sapiens

<400> 23639

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gcattgctag	ccctggaatt	cgagacccca	gacgaggacc	aggattcatg	aaatcagtcg	120
caggggcccg	ggcagggggc	tctggmtccc	gacactggcc	gagaggtgat	dwktgaggtt	180
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<210> 23640

<211> 281

<212> DNA

<213> Homo sapiens

<400> 23640

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tcattgatga	gcattcaggt	tgattccatg	tctttgctat	tgtaaacagt	gccacaatga	120
acgtacaaat	tcacgtatct	ttgtaacaga	atgatttatt	ttcctttggg	tatatcccca	180
gtggtgggat	tggtgggtga	aatgggtattt	ctgattctag	atcttcgcca	cacaatcttc	240
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<212> DNA  
<213> Homo sapiens

<400> 23641  
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ggcctctgca gagtgccttg ggaagggaag gagcactgat ttggggggtt tgagggtcaa 180  
gtaggggttg gtaacacctg gaaagaagga ctctttcact tcgatccctg gacaattatg 240  
gaggattcgg aggtagaaga ggggaaggaa gatggtttct atctcatgac cccactccc 300  
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<210> 23642  
<211> 147  
<212> DNA  
<213> Homo sapiens

<400> 23642  
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tccggttctt taattatgtt cagtccc 147

<210> 23643  
<211> 302  
<212> DNA  
<213> Homo sapiens

<400> 23643  
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taatacatgt aaagcatata gatcagtgtc caaaatagag tgtgtactca ggaaacagta 180  
atattattgt tatatgtact attataattg tsstttttct tttctctctc cctccccctca 240  
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ct 302

<210> 23644  
<211> 189  
<212> DNA  
<213> Homo sapiens

<400> 23644  
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agagcccac 189

<210> 23645  
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<212> DNA  
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<400> 23645



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 <212> DNA  
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<210> 23647  
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 <212> DNA  
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 <213> Homo sapiens

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<210> 23649  
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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

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 <212> DNA  
 <213> Homo sapiens

<400> 23651

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 tgctaataca ggtttctggg ttcttgtccc tgcccacatt tctcaacaca tgataaaaaa 180  
 gatgcaagta ggaaaatcaa gccatagact aaagaaatca ccaacgggtg ttttattctt 240  
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 <212> DNA  
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<400> 23652  
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 cctgagtagc tgagactagg cgtgcaccac cgtttctgac aggattttaa tttttaagta 180  
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<210> 23655  
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 <212> DNA  
 <213> Homo sapiens

<400> 23655  
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 tttcta 126

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 <211> 107  
 <212> DNA  
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<400> 23656  
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<212> DNA  
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<400> 23657  
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<210> 23658  
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<212> DNA  
<213> Homo sapiens

<400> 23658  
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agcaccaacc accccaacct 140

<210> 23659  
<211> 292  
<212> DNA  
<213> Homo sapiens

<400> 23659  
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tctgggcgac atagcgaaac tccgtctaaa aaaaaagaaa ttcctgggct caagtgatcc 180  
tcccacctcg atctcccaaa gtgttgggat tgtgggtgtg agccaccatg cccagccctc 240  
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<211> 257  
<212> DNA  
<213> Homo sapiens

<400> 23660  
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cttttgggag gtcaagggtga gcagaacacc tgaggacagg agtttgagac cagcctgccc 180  
aacgtggtga aaccccatct ctatgaaaaa tacaaaaatc agacgggcac agtggtggtg 240  
cccacctgtg atcccct 257

<210> 23661  
<211> 248  
<212> DNA  
<213> Homo sapiens

<400> 23661  
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<210> 23662  
 <211> 454  
 <212> DNA  
 <213> Homo sapiens

<400> 23662						
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aggtttagcc	tgctttctta	ccaaattcat	gttaccaga	cttgtgttct	cttgcgctccc	180
ttggactgcc	tggtgattga	tggaaagtgt	ctgcactgac	acttttcgtc	agtagtctgt	240
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ccgcatttct	aagagaagat	actttgtgta	agaaaagatg	ccacatttag	tggtttaact	360
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 <212> DNA  
 <213> Homo sapiens

<400> 23663						
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<210> 23664  
 <211> 136  
 <212> DNA  
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<400> 23664						
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cacacacaca	cacttc					136

<210> 23665  
 <211> 323  
 <212> DNA  
 <213> Homo sapiens

<400> 23665						
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catacccatt	atacattgat	gtgtccacac	ccctccyagg	actaggcacc	gcccttagga	180
atttcactac	agcatttttt	tattcwagt	ttttttgcc	rdnaccacc	aaagtgtcta	240
caagtctcct	racatwattc	ctattcccag	acactgawtc	tgmasmagca	gcytgytctc	300
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<210> 23666

<211> 153  
<212> DNA  
<213> Homo sapiens

<400> 23666  
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aaaggactaa tattcagaat ctacaaggaa cat 153

<210> 23667  
<211> 118  
<212> DNA  
<213> Homo sapiens

<400> 23667  
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<210> 23668  
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<212> DNA  
<213> Homo sapiens

<400> 23668  
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atgtttgtat gattaaaaat aaatttctca gaattgtgat tttagtaact ttatataaaa 180  
tgtgtgagac aaaaacttat taagggttaa tagaattgtt tcttctgaat aatctaacaa 240  
aggaaaatat aagtgattga atcataagat ataagggggg tgaagtatta aaaataactt 300  
ttttgtttga taacttgaga atttagaaga ttttgccaag tatgtgttgt tgcttmndtc 360  
cttaaatatg gcattgatga atttaaagta ggagcayagt tattacttct gattcattaa 420  
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<210> 23669  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 23669  
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acaacaaaca tccttaaaga ggtagggtgt gggctgctga 160

<210> 23670  
<211> 322  
<212> DNA  
<213> Homo sapiens

<400> 23670  
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tgcacaacac ctggacacca atggatggag cccttggaac aataaaaagcc caagagacag 120  
acacacaaca tgnacaggct cactnngttg agggctcactc atctgttctc cctacaataa 180  
aggaataagc aacatttctt ggcttgactt tccagggctt accagggtag acagtgaatg 240  
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gtgtgtgtgt gtgtgtgtgt gt

322

<210> 23671

<211> 359

<212> DNA

<213> Homo sapiens

<400> 23671

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ctaccaaagt	gctgggaatg	acaggcatga	gccaccacac	ctggcctatc	ctgacaatga	180
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aagctgttag	gggacaatga	gtgactgggg	tcaggagaga	cctctcactg	gccccatgagc	300
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<210> 23672

<211> 293

<212> DNA

<213> Homo sapiens

<400> 23672

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aaacagtaca	gagataat	atctgccatt	acaatgcatg	ttacaaattt	aattttgttt	120
tttaatttag	ggaacacaga	gcttaaattc	ccataatgat	tactgccaac	atttttaga	180
cactggacat	agacctcaga	atttcatcag	ggatgtaggt	atgtcagggt	tgtttggtgact	240
acgtatttgc	tgactctcaa	ttacatgcat	gtaathnatic	caatttgtgg	ata	293

<210> 23673

<211> 270

<212> DNA

<213> Homo sapiens

<400> 23673

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mctactagat	tatggttgcc	tctgctgagt	catacagggtc	accaggggaag	tgaggggaacc	180
ccagcagtc	caggcctcac	cccactccca	cacagcccac	agtccccaaa	gctggtctca	240
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<210> 23674

<211> 59

<212> DNA

<213> Homo sapiens

<400> 23674

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<210> 23675

<211> 395

<212> DNA

<213> Homo sapiens

<400> 23675

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agaaatgtca	acaatcacca	ctatctaatt	ccagaatatt	ggcatcatca	caaaatgaca	180
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 <213> Homo sapiens

<400> 23681						
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aaacaatttt	cctagcctca	ttaatgctta	atctaattgtt	gcataacaaa	gtatggactt	180
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 <212> DNA  
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<210> 23683  
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 <212> DNA  
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<400> 23683						
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tttctcact	gtccacata	tgctcttggt	tttcatatta	ctgaaataga	tcttgccata	180
gcccctagat	tgagaaacaa	gcataagatt	aacttgaghh	taacctaatg	ctactgctat	240
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agatgaagaa	ggaac					315

<210> 23684  
 <211> 107  
 <212> DNA  
 <213> Homo sapiens

<400> 23684						
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<210> 23685  
 <211> 81  
 <212> DNA  
 <213> Homo sapiens



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<210> 23686  
<211> 133  
<212> DNA  
<213> Homo sapiens

<400> 23686  
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acacaccagc taa 133

<210> 23687  
<211> 404  
<212> DNA  
<213> Homo sapiens

<400> 23687  
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actcatggcc agaagcaccg gagacgaggg cggggcaaag gagccagcca gggggaggaa 180  
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<210> 23688  
<211> 124  
<212> DNA  
<213> Homo sapiens

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<210> 23689  
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<212> DNA  
<213> Homo sapiens

<400> 23689  
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agaacgctg 189

<210> 23690  
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<212> DNA  
<213> Homo sapiens

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<210> 23691  
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 <212> DNA  
 <213> Homo sapiens

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<210> 23692  
 <211> 112  
 <212> DNA  
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<400> 23692  
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 <212> DNA  
 <213> Homo sapiens

<400> 23693  
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<210> 23694  
 <211> 327  
 <212> DNA  
 <213> Homo sapiens

<400> 23694  
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cacggatcaa	caaataattga	ctaacttctt	acaagttatt	gtaccaaaca	tatggggaat	240
acaaggaaat	ataagtcatt	cactagacca	caaaagactc	ataatctagg	tggcagaatg	300
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<210> 23695

<211> 140

<212> DNA

<213> Homo sapiens

<400> 23695

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ctgtaccttt	ttaccgacct					140

<210> 23696

<211> 240

<212> DNA

<213> Homo sapiens

<400> 23696

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cttgatgatg	tcccacaggt	cccttggaact	ctgtttactt	ttcttcattt	ttctttctgt	180
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<210> 23697

<211> 424

<212> DNA

<213> Homo sapiens

<400> 23697

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cgtgcgtccc	tggcgcttcc	ttcttctctt	ccggcggaga	gcttgggatg	tggtaatgcc	180
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cacactgaca	atacgtcaaa	gcttggattt	gttccttctc	gataaaacag	ctagtgggtt	360
gaataagtct	cagatcctgg	aaatgaacca	aaaaaagtca	gataccagca	tgctgtctcc	420
atta						424

<210> 23698

<211> 159

<212> DNA

<213> Homo sapiens

<400> 23698

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<210> 23699

<211> 212

<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<211> 62  
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09/513999  
02/24/00

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cgcacaaccc cagttaagct gcgctccggg agatacatcc agaaagtgcc cagaagaaac 240  
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acatggcagc 310

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<212> DNA  
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<400> 23723  
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<212> DNA  
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gcaatcagca acatttagaa gtaggaaact acagaaaaat aacctggagt ttcaatagtt 180  
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<210> 23725  
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<212> DNA  
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<212> DNA  
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 tatgaatc taccagagct ctctcatttt ctttcttggg gacataacat aattatatgt 300  
 gcaattaaat tttgtaccca ttgtattgaa gaataatgct cttttctata aagtaaata 360  
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 <213> Homo sapiens

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<400> 23732  
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<210> 23733  
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<212> DNA  
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<400> 23733  
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taamgactta aacgttagac ctrraacaat taaaacccta gaagamaacc taggcattac 180  
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<212> DNA  
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gggctaacct ggaaaccgaa aaacagtttg tttcactaca agaataagaa aatatgtcca 180  
aattcctgtc agctgactta taaagggact tttagaacac aaccaatgc atgaggtact 240  
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gctttgaaga aaaggggata aagaacgaca ggcctgagga ccagttgagc tatgatattg 360  
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ggtcttacat ttaagtcttt aatccatggt gagttaattt ttgtgtaagg tgtaaggaag 180  
gt 182

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<212> DNA  
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<210> 23738  
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aatcaaggga agt 193

<210> 23739  
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<212> DNA  
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aaacggtggg gttgggaggt tgtagtactt caaacaaggg tgaacggttt tttaggtgag 180  
tgagcgta 189

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<212> DNA  
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ttttcatctg ggacctcgga aactgtggtg acccataggt gctgggcttc ttggtctctg 180  
tcctgagaaa gtgctcacag tgct 204

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<212> DNA  
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ggtacagggt ctattgtctg tggttgactc cgtacttt 98

<210> 23742  
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<400> 23742  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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agccacaatt ttaaaaaaga tatgaagacc cagattctca ctaactcatt cagctccctt 180  
catactccct cccacagcc acctcagctc ctgaggcadr wtcccagggc tccaaggaac 240  
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<210> 23745  
<211> 134  
<212> DNA  
<213> Homo sapiens

<400> 23745  
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attaccaaca tttc 134

<210> 23746  
<211> 139  
<212> DNA  
<213> Homo sapiens

<400> 23746  
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<210> 23747  
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<213> Homo sapiens

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<210> 23748

<211> 202

<212> DNA

<213> Homo sapiens

<400> 23748

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tgagacccca	tctttacaaa	aactaaaaaa	attagctggg	catgaagatg	catacctgcg	180
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<210> 23749

<211> 259

<212> DNA

<213> Homo sapiens

<400> 23749

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sgggagtggg	aaagacaggg	tcattgggag	ccctggccac	taggagacgg	aaatgcggga	180
gcgaggggaag	ggasgggtct	ggcctgggta	aagttcccca	gtgcctcctt	gtgcatagac	240
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<210> 23750

<211> 328

<212> DNA

<213> Homo sapiens

<400> 23750

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caaacagaga	gtttacagta	gagctgggac	ttcaacctgg	aattttactt	ctggaatatg	240
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<210> 23751

<211> 425

<212> DNA

<213> Homo sapiens

<400> 23751

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aaagctacac	aaatactgac	atctagttag	taaatctggt	tcagagatat	gactagcagt	180
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aagtctaaat acaaaaatac atttgtggaa tttggmtggt cagctttttt caagtcmkha 360  
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cacta 425

<210> 23752  
<211> 204  
<212> DNA  
<213> Homo sapiens

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cctatggggc cccagtaccc actt 204

<210> 23753  
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<212> DNA  
<213> Homo sapiens

<400> 23753  
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atactggacc cttctgtaav tgatcacatg vnaactgctt aagggcagaa gtgggcccagt 300  
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<210> 23754  
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<212> DNA  
<213> Homo sapiens

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<210> 23761  
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<210> 23771

<211> 224

<212> DNA

<213> Homo sapiens

<400> 23771

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ctttttttga	ggttaagaaa	aatgattcat	gtaaaaaaat	ttatctttta	tacagtaact	180
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<210> 23772

<211> 350

<212> DNA

<213> Homo sapiens

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<211> 193

<212> DNA

<213> Homo sapiens

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<211> 373

<212> DNA

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

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<210> 23813  
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<212> DNA  
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<210> 23814  
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acaagggtcaa tgagataatg gatacaaaat gtaaactaga tgaacataaa gggcga 296

<210> 23815  
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gaaagctctt ctttgaacta agatgtgttc cttatgatag cttgcatcga agaggataat 120  
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<210> 23816  
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<212> DNA  
<213> Homo sapiens

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<210> 23817  
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<210> 23820  
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 tagaacttcc tgcaaaccgg ctagagagct tggccaccat cagttaccta ttgctgctta 180  
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gaacaacttg actacttggg gtgggggacy cwttgacaag gtggctggct gcaactcctgt 360  
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<210> 23822  
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ctttttgtat ttatcgtttc atattaaacc ctctatatca aatgttcac atgattttgt 180  
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<210> 23823  
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<212> DNA  
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<210> 23824  
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ccaaattatg aactgtatta aaaaaacact ctcatgtttt ttcttctgaa aatctgatgt 180  
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<210> 23827  
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<212> DNA  
<213> Homo sapiens

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<212> DNA  
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<212> DNA  
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 <213> Homo sapiens

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<210> 23842  
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274

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gtctgccctc agaaagcttt cagtctggaa gagaagatga ttaagggggc gatcacaaga 180  
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<210> 23846  
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<213> Homo sapiens

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<212> DNA  
<213> Homo sapiens

<400> 23847  
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aagatctaaa ggaggtaagg tagtgaatta tatagctatg tgggaaaaga acataagcag 180  
aaggatgact aatatgtttg gaaaatggca gggcagccag atggctacaa tgaagagagg 240  
gggg 244

<210> 23848  
<211> 478  
<212> DNA  
<213> Homo sapiens

<400> 23848  
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tgggcaacat agtgagacct tatctctaca aaaaaagaaa aagaaaaaaa aattagccag 180  
gcatggtgat gcacacctgt agtcccacct agtcgggagg ctgaggcagg aggattgctt 240  
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<210> 23849

<211> 456  
 <212> DNA  
 <213> Homo sapiens

<400> 23849  
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 gcaagaccac gagcccaccg ggaggaacga acaactccag aggcgctgcc ttaagagctg 360  
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 agaaggaaga ractccgaac gcattctaac atcaga 456

<210> 23850  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 23850  
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<210> 23851  
 <211> 103  
 <212> DNA  
 <213> Homo sapiens

<400> 23851  
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 <211> 290  
 <212> DNA  
 <213> Homo sapiens

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 gtgkgagctt tgttggagcc tgcgtacgtg gatttatcgc tgccacggtc tgcgtastcc 180  
 agaggtttta ccataggata gagaaaccag gtaagtccta cattggcttc ccgtcgtcct 240  
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<210> 23853  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 23853  
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<210> 23854  
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 gcctgagcaa cagagcagga ttccatctca aaaaaataaa ataaaaataaa atattggcca 180  
 ggccctggtag tgcattcctg tgggtcccagc tatttgggag gctgagggtg gaggatcgtt 240  
 tgagcctggg aggttgaggc tgcagtgagc cctgtcatgc cactgcactc tagcctggac 300  
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 <212> DNA  
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<400> 23855  
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 gtttgttttg ttttgtttta attttttttt taattattat actttaagtt ttaggggtaca 180  
 tgtgcacatt gtgcagggtta gttacatacg tatacatgtg ccatgctggt gtgctgcacc 240  
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<210> 23856  
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 <212> DNA  
 <213> Homo sapiens

<400> 23856  
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 cccattgcat acctaggata aatcccactt ggctgtggtg tataattatt ttatatacatt 180  
 gttagatgtg atttgctaata attttgttgg gaattttata tctgtgttta tcagagatac 240  
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 cataatgagt taggagggtat tccctcctkc tgcttctatc ttcttaaagg aattgtagat 360  
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<210> 23857  
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 <212> DNA  
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<400> 23857  
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<210> 23858  
 <211> 375

<212> DNA  
<213> Homo sapiens

<400> 23858  
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 aatccagtat ttgcagcaga agggattcag tcctgctttg cagtactata cagaccctct 180  
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 aactgcttaa tggaaaagaa atttgagcat catctgtctt ccaccaaaaa aattttttta 300  
 attatatttt tatatcaaaa aaatatatac tttaaatagc aaataatatg aactttaaaa 360  
 adttgctgtg gccct 375

<210> 23859  
 <211> 168  
 <212> DNA  
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<400> 23859  
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<210> 23860  
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<400> 23860  
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 tttcacaata atcaaagata attattattt tgttttgttt ttggaatcaa cagggaggag 180  
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<210> 23861  
 <211> 347  
 <212> DNA  
 <213> Homo sapiens

<400> 23861  
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 ttcaccattt cttagaaatt atcttgagtc ctttttactc atcggttttg caaatatttt 180  
 tcagtatata ctctgtgctt ttactagcta taataaaaata aggtaagcat agcccctatt 240  
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 gcataaatga ratacaggca tcatctaacc ttcacacaca actccca 347

<210> 23862  
 <211> 207  
 <212> DNA  
 <213> Homo sapiens

<400> 23862  
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tgctttgatt cttccatagt tcagtcaccc ttgctatctt gcgggggatt ggttctagga 180  
taccgcccc acaccatacc agaatcg 207

<210> 23863  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 23863  
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acatcacatg ctggtctact gtgtggtgct tgagatccag cagatccggt aacgctcagt 180  
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<210> 23864  
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<212> DNA  
<213> Homo sapiens

<400> 23864  
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ggcgccctgta atcccagcta cttgggaggc ggaggcagga gaatcacttg actgcaggct 240  
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tctgtctcca aaaaaaaaaa aaaaaaaaaa aaaa 334

<210> 23865  
<211> 206  
<212> DNA  
<213> Homo sapiens

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caacaatgta tgaagttccc aggatc 206

<210> 23866  
<211> 381  
<212> DNA  
<213> Homo sapiens

<400> 23866  
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<210> 23867  
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<212> DNA  
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<210> 23868  
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<212> DNA  
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<210> 23869  
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<212> DNA  
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<400> 23869  
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acttctcttt gctacttctt cctttgccat ttgcatcttt catttcagaa ttatacaatg 180  
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<210> 23870  
<211> 183  
<212> DNA  
<213> Homo sapiens

<400> 23870  
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catcatctag gttttaagcc ctgcatgcat tagctatttg tcctaagcc ctcctccac 180  
ccg 183

<210> 23871  
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<212> DNA  
<213> Homo sapiens

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acctattagt ggaagatgtt aatagggaaa actgactaat gggctctgt 348



<210> 23872  
<211> 92  
<212> DNA  
<213> Homo sapiens

<400> 23872  
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<210> 23873  
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<212> DNA  
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<400> 23873  
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<210> 23874  
<211> 120  
<212> DNA  
<213> Homo sapiens

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<210> 23875  
<211> 259  
<212> DNA  
<213> Homo sapiens

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attgaaaatg aagagcagg 259

<210> 23876  
<211> 386  
<212> DNA  
<213> Homo sapiens

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<210> 23877  
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 <212> DNA  
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<210> 23878  
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 <212> DNA  
 <213> Homo sapiens

<400> 23878						
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aagtcagaca	ttaacactac	agtggaagtc	cccggtcgtt	cctctctcca	gtgtcatccc	180
ctcactccca	cccaaag					197

<210> 23879  
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 <212> DNA  
 <213> Homo sapiens

<400> 23879						
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tgacaaa						187

<210> 23880  
 <211> 199  
 <212> DNA  
 <213> Homo sapiens

<400> 23880						
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gagaaatgga	acatcaggcg	gaggaaacag	cccagacaat	cgactggga	cgtgaaaacc	180
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<210> 23881  
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 <212> DNA  
 <213> Homo sapiens

<400> 23881

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ctcaagtga	acagcaaaaa	aagaacaatg	tatacagtct	gctactattg	ttagggcaaa	300
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ctccaggagg	attccangaa	actggttcta	ttggttgcct	cttgaggga	aaatggggga	420
rga						423

<210> 23882  
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 <212> DNA  
 <213> Homo sapiens

<400> 23882						
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<210> 23883  
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 <212> DNA  
 <213> Homo sapiens

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cctctgcctg	tgggaaggaa	ggc				203

<210> 23884  
 <211> 332  
 <212> DNA  
 <213> Homo sapiens

<400> 23884						
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<210> 23885  
 <211> 222  
 <212> DNA  
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gaggtaatga	gtgtgtgtat	gtgtatatcc	ccttagtctg	ccagaaaacta	atattatttt	180

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<210> 23886

<211> 215

<212> DNA

<213> Homo sapiens

<400> 23886

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gccatgcaac	ggagatcaag	agggataaat	actggactta	ttctactcct	ttctcaaatc	180
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<210> 23887

<211> 357

<212> DNA

<213> Homo sapiens

<400> 23887

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gatattatct	atataaatct	tttatcaggt	cttctctaac	ctgcgctgat	cagtgtaaag	180
ggatgcctta	ttattgccag	atggaaaaga	tgtgagcttc	tttggcagaa	gaaagtagat	240
gtctaagcca	cacacctgga	tttgattcct	tgctctttac	ccagaagaca	tttgatattg	300
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<210> 23888

<211> 247

<212> DNA

<213> Homo sapiens

<400> 23888

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gatcgcgcca	ctgcactcca	gcctgggcca	cagagccaga	ctgtctcaaa	taaataaata	180
tgagataatg	cagtcgggag	aaggaggagg	gagaatttta	ttaaatgtga	cgaactgccc	240
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<210> 23889

<211> 180

<212> DNA

<213> Homo sapiens

<400> 23889

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<210> 23890

<211> 123

<212> DNA

<213> Homo sapiens

<400> 23890

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ccc						123

<210> 23891  
 <211> 183  
 <212> DNA  
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cga						183

<210> 23892  
 <211> 245  
 <212> DNA  
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<400> 23892						
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tcatttttta	tttttatgca	tgadagttta	ctgggtaatg	gaatttacca	tccctgttta	180
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acccc						245

<210> 23893  
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 <212> DNA  
 <213> Homo sapiens

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<210> 23894  
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 <212> DNA  
 <213> Homo sapiens

<400> 23894						
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ctctagcctc	ccgggttcaa	gcaattcttc	tgcttcagcc	tcccagtag	ctgggactac	180
aggtgcacac	caccaggcat	ggctaatttt	tgtattttta	gcagagacgg		230

<210> 23895  
 <211> 334  
 <212> DNA  
 <213> Homo sapiens

<400> 23895

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attttaaagc	agatttctac	tatttataaa	agatagtttg	aagatactcc	cctaaaaagt	180
aaagattctt	ccatactcgg	ctcggatgag	ttgttttcct	tgtttgaggg	attctagggtc	240
acacacttct	atgttttaat	tcccgtggta	attcaaaatg	tttgagaagt	gggttgcgac	300
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<210> 23896  
 <211> 177  
 <212> DNA  
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<210> 23897  
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 <212> DNA  
 <213> Homo sapiens

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atgaaattcg	aagccaggag	ggaagacagc	ctagaactaa	cctgacttac	acggcaaaat	180
tcccccaacg	gcgaggtgtc	ttcagaagga	aggatgaggg	ctaaaatggg	gagcggttta	240
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accagcgaca	aataataaga	cttattctcc	agawaaggat	aadaggacct	ctgagcggga	360
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tgagcacagt	cacacaggat	gaccc				445

<210> 23898  
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 <212> DNA  
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<210> 23899  
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 <212> DNA  
 <213> Homo sapiens

<400> 23899						
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ataacctgcc	aaaa					134

<210> 23900  
 <211> 277

<212> DNA

<213> Homo sapiens

<400> 23900

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ggtctgcagc	acagcatgaa	gaattacaac	tgcatgcaat	tgccactttg	tcatcagtgg	180
ctcctttatt	aatagaagaa	tacatgtcat	gccagggaaa	tgctcgagtc	cttgcatttc	240
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<210> 23901

<211> 155

<212> DNA

<213> Homo sapiens

<400> 23901

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gtcgcccagg	ctggagtga	gtggcatgg	ctcagctcac	tgcaacctcc	tcctcccggg	120
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<210> 23902

<211> 134

<212> DNA

<213> Homo sapiens

<400> 23902

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<210> 23903

<211> 254

<212> DNA

<213> Homo sapiens

<400> 23903

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agaaactgac	gtcaggagt	tcctgtgaat	gaacatcgcc	cgaggcctag	caccacaga	180
agaagggttc	tattttactc	tactttgctt	gatgttattt	attttctaac	aaagtgatcc	240
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<210> 23904

<211> 208

<212> DNA

<213> Homo sapiens

<400> 23904

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tgctgtgcat	gcaaactcga	cctatagcac	tccacttcat	ctcctgcccc	cagcccttat	180
aatgttcac	taacataaaa	aggggaag				208

<210> 23905

<211> 256  
<212> DNA  
<213> Homo sapiens

<400> 23905  
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gagcagagct ttcactggaa atttcaaaca ggtgggatca acattctgaa ggatttcttt 180  
gaagaatttt aacaataaat gaacatgggt ttaccagtac atcctgaaga caaagtacaa 240  
tcagatcact ggcac 256

<210> 23906  
<211> 202  
<212> DNA  
<213> Homo sapiens

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taagggtata actttcaatc tgacctactc tgactggtac ctggacaata aatgactctt 180  
ttaagggaga gctctccacc ca 202

<210> 23907  
<211> 317  
<212> DNA  
<213> Homo sapiens

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gtgtacttaa tttgcttaaa ttatatTTTc tactagtgga tactttgggt atttccagtc 180  
ttttattatg aacactgctg tagtgaaaag gttatacaca agtatttgta cawatatgtg 240  
aatatrtctg tatgataaag gagatttttg gatcaaaatg tatgtawrtt tavagttttg 300  
ttaggtattg tatackt 317

<210> 23908  
<211> 159  
<212> DNA  
<213> Homo sapiens

<400> 23908  
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aatattttatc actgattgtt ttttaactttt tgttttgaaa taatttcaaa cttaaagaaa 120  
agttgcagga atcatgcaga gaactctcat acaccctt 159

<210> 23909  
<211> 164  
<212> DNA  
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<210> 23910  
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 <212> DNA  
 <213> Homo sapiens

<400> 23910  
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 atggcaaac cctgtctcta ctaaaaatac aaaaattagt tgggtgtggt ggcacatgcc 180  
 tgtaatccca gccactcggg aggtgaaggc acaagaattg gttgaacctg ggaagcagag 240  
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<210> 23911  
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 <212> DNA  
 <213> Homo sapiens

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 aggctggagt gcagtagcac gaycttggct tactgcaacc tctacctcct aggttcaagc 180  
 aattgtcctg tctcagcctc ccgagtactg ggactactgt cttgcgccac catgcctggc 240  
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 tcctagcccc 310

<210> 23912  
 <211> 353  
 <212> DNA  
 <213> Homo sapiens

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 tgtgttttaa aaatgcaaac caatatcttg ttaataaagg aattcaagct atggggcagc 180  
 cacactcccc tcctcccagg ctggcatagg tggccctggg ctggcggctt aggaagcatg 240  
 gagcacactt agggtagtgc ctgcctgggc aagagacacc tgccgagcaa aaggaacgag 300  
 aatctggggc tcagagcctc gcagttgtgc caggattttc ctatacatgt kca 353

<210> 23913  
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 <213> Homo sapiens

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 catatataca gttgtctgtc tgccacagtg atcatgatac agaacacttt ctttaccctg 180  
 aaaactttctc atttttcctt ttgcagtcaa tcccctgctc ctatccttgg ccccaat 237

<210> 23914  
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 <212> DNA  
 <213> Homo sapiens

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 caacattaat tcttttgatc cataagcaga ggatgtcttt tcatttgdkd gtatkctctk 180  
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<210> 23915  
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 <212> DNA  
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 atccagtttt ctaggtcact tataagagct ttttatacct tgttttatgg gcagcca 117

<210> 23916  
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 <212> DNA  
 <213> Homo sapiens

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 ctctgggata tacaactaga aatcacattg gaataggagg ccttcaagat tttgtgctga 180  
 aatctgcaac actgtgtagc ctgccatcct gccaccatt tataccactc aacttcgaag 240  
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<210> 23917  
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<210> 23918  
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 ctcac 365

<210> 23919  
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<212> DNA  
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<210> 23925  
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<212> DNA  
<213> Homo sapiens

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ttctaattgtw tttctttatc cctttaatac agaa 394

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<212> DNA  
<213> Homo sapiens

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gttaacattt taaaaaataa taattattat catagcctta ccca 164

<210> 23927  
<211> 232  
<212> DNA  
<213> Homo sapiens

<400> 23927  
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agagacaaga atgtgtagtt taatgaccgg cgtggaccat acgaaattga gattctaact 180  
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<212> DNA  
<213> Homo sapiens

<400> 23928

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cgttttcaaa aaatccgcta gacatgtcat aagttttaac tgtaatgcc aggaaag 117

<210> 23929  
<211> 403  
<212> DNA  
<213> Homo sapiens

<400> 23929  
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tycctggctg aatttgatac cccatggtag aagcctctat cctgctgtct gcgtcagtat 180  
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<210> 23930  
<211> 313  
<212> DNA  
<213> Homo sapiens

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tcagccagcc agcatgggtg ggagccagta aggaggcagc caatttgcaa ttagggagca 180  
attaataact acccaattgg tacaaaagac arctgagggg ctgggaggag aacaaggga 240  
tgaagctcag aaaggagcct cagggtcttc ttggaaaata ctgggagcgg gcaatgagga 300  
atccccgggg taa 313

<210> 23931  
<211> 107  
<212> DNA  
<213> Homo sapiens

<400> 23931  
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taagatgcac gatggaattg tgttttgcgt tttttggtaa aaggagc 107

<210> 23932  
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<212> DNA  
<213> Homo sapiens

<400> 23932  
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aaacatgagt tcttaccagc agaagcagac ctttacccca ccacctcagc ttcaacagca 120  
gcagggtgaaa caaccag 138

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<400> 23933  
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 cccattttgc catacccttg ctagcctcca gtattatttt tagtaactct gccaatctct 180  
 aggtgaaaaa ctgtaccccc aaa 203

<210> 23934  
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 <212> DNA  
 <213> Homo sapiens

<400> 23934  
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<210> 23935  
 <211> 231  
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 <213> Homo sapiens

<400> 23935  
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 ggagaaaatt cagaaagaaa cagcccttct ccaggagctg gaagatttgg aattgggtat 180  
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 gggatctaga actagaaata ccatttgacc cagccatccc attactgggt atatacccaa 180  
 atgactataa atcatgctgc tataaagaca catgcacact tatgtttatt gcggcattat 240  
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 tgcctaccct ctgcagaatc taccaaaaaag tagagttttc ccatgagact gcttgtggtc 180  
 catctaaaaa tgaaaaaata atcagagaaa atgcgcaaag ccttttctaa ctacagttat 240  
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 tgaagaagaa agtttgctta ggagctgatg ctctttgtct acaaacaaga gggtaaggag 360  
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 tttcaactgt tttttactgg atga 444

<210> 23939  
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 <212> DNA  
 <213> Homo sapiens

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 taaatcacag chagacagac acaattgtst cactaccccc aatatacctaa cacactaaca 120  
 ag 122

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 <212> DNA  
 <213> Homo sapiens

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 aatccatctc tttttttttc ttcccacagc gtttgctgcc aattgatggg gcaaattgatc 120  
 tcttttttca gccacctcca cag 143

<210> 23941  
 <211> 119  
 <212> DNA  
 <213> Homo sapiens

<400> 23941  
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<210> 23942  
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 <213> Homo sapiens

<400> 23942  
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 caacaaaccc atgcctgggt tttgtgggtt tacaaggctc gtctccagaa aagttgtttt 180  
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 caagccacc cg 252

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<213> Homo sapiens

<400> 23943

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tgccacattg	gtagactcct	aaaatacagt	tgacaactta	gccaattgca	actccagtgt	180
tgataattaa	aatgaaatgg	taaagcagca	gactgtaagg	tcttttagaga	tttttttttt	240
aagggttcagg	ccgtagttcc	tcaaggaatc	tcttaagtgt	tgcccaaaga	ctgggtacttc	300
ctttcagtag	ggcgctaagt	tatacacatt	aatgataagt	tgataacatt	aaaaatgtag	360
ctgactttatc	ctattaaacc	tcctctgcta	tggtcacaga	ttctgcatag	tttttttttc	420
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<210> 23944

<211> 483

<212> DNA

<213> Homo sapiens

<400> 23944

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atccgagcag	ggtttgtctg	ggcacctgcg	gggtaggatc	cggaaacgat	tcggaaggct	180
ttttgcaagc	atttacttgg	aaggagaact	tgggatcttt	ctgggaaccc	cccgccccgg	240
ctggattggc	cgagcaagcc	tggaaaatgg	taaatgatca	tttgatcaa	ttacaggctt	300
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gtgccaaaaa	aggggcagag	tttgatggag	ttgggtggac	ttttctatgc	catttgcctc	420
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<210> 23945

<211> 272

<212> DNA

<213> Homo sapiens

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gccaggtctg	gagtscaatg	gcgcggtctc	ggctcaytgc	aacctccggg	ttcatgccat	180
tctcctgcct	cagcctccca	aatagctggg	actacaggcg	cctgcmacca	maccgggcta	240
atTTTTTTkgw	atTTTtwagta	garacgggga	ag			272

<210> 23946

<211> 127

<212> DNA

<213> Homo sapiens

<400> 23946

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wccacagagt	attgttaatg	tacaacacac	acacacacac	acacacacac	acacacacac	120
acacaca						127

<210> 23947

<211> 178

<212> DNA

<213> Homo sapiens



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ggtacaagtg cagacttctt atatgaatat attgtatcgt gatgaaatct gggcttttag 120  
tgtaccaaat agtgaacatg gtaccaata ggtaactttt caaccctcac ccgcccag 178

<210> 23948  
<211> 398  
<212> DNA  
<213> Homo sapiens

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actgggggct ctggggccaa gatgtctttg gcaccttcat ttgagggtgg gagcggaata 180  
gagagctttt cctgagatgc tgggagctct ctactaacca ttctattcag tgactctgaa 240  
gtccccagag agggacgcat cccagagcaa ggtccggggc cccttaacgt ggacaccgct 300  
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ttccgagtga agtttaacga agccctccgt gagagcag 398

<210> 23949  
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<212> DNA  
<213> Homo sapiens

<400> 23949  
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tgtaatctga cttccgtatc ttactgagta ttatagacat atttaggatt caaaatagac 180  
tcaacagcgt ttcatactat atagtaatga caagtggaaa catgtatgcc gcataaacga 240  
taaagttatt aaggctactt ttataatata gttgactcga acaatgcagg ggtaggtgt 300  
gctgatcccc tgcgcagtca aaaatccacg tgtaactttt gactcccaa aacctacctg 360

<210> 23950  
<211> 145  
<212> DNA  
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<400> 23950  
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tctgtagatc aatttgggag gcgag 145

<210> 23951  
<211> 110  
<212> DNA  
<213> Homo sapiens

<400> 23951'  
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tgggtcctat tccataacaa ctaaatacaa atcacccttt tttttttttt 110

<210> 23952  
<211> 107

<212> DNA

<213> Homo sapiens

<400> 23952

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<210> 23953

<211> 120

<212> DNA

<213> Homo sapiens

<400> 23953

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<210> 23954

<211> 439

<212> DNA

<213> Homo sapiens

<400> 23954

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tttgtccagc	tgcaasagat	ctttggagaa	ctgtgcggct	cccggctgtg	ctgaagggca	180
gggagttctc	ccagctattc	ccggttttca	tcttccatgg	cctactcctt	ccacaccctg	240
gtgccaccct	ggcctgcacc	ggccatgtgg	gcttctgcct	tcactttcaa	catctgactc	300
ccaagcccag	cccacgcaag	acagcccaa	ggcccatgc	ccaagactag	ggtagtgaga	360
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<210> 23955

<211> 180

<212> DNA

<213> Homo sapiens

<400> 23955

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<210> 23956

<211> 157

<212> DNA

<213> Homo sapiens

<400> 23956

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atttagactc	tctctctctt	tttttttttc	tgaratggag	ttttgcyctw	attgcccagg	120
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<210> 23957

<211> 353

<212> DNA

<213> Homo sapiens

<400> 23957

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gttccttcat	tcttcaccta	taatttgtaa	caatgtgaag	tcacactttg	tccataaatc	180
ctgctccaac	cactctagtc	cctagtagta	tctctgtccc	tccaaattgt	aacaataaat	240
gtagcccaaa	ccttttcattt	cccaaaccaa	acagcataga	tcttctaaac	tgacatttgt	300
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<210> 23958

<211> 322

<212> DNA

<213> Homo sapiens

<400> 23958

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ctctattagt	gttggaatgg	atgagctcta	gtgagtaagc	gcctaagaca	acacagaccc	180
taaggtcttc	tgaacccaac	caagtgcctt	gtttttgctg	ctataccagg	ctgtccttct	240
tccactgcc	atcctctgg	ttctgtttct	tcagcccaag	caccgtgtgt	agcctaatca	300
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<210> 23959

<211> 153

<212> DNA

<213> Homo sapiens

<400> 23959

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gggcttttggc cttttgccct agggagcgag tgcggacgag tgggagcgag acggccctga      60
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<210> 23960

<211> 161

<212> DNA

<213> Homo sapiens

<400> 23960

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gagcctgcat atatatgttaa atgtctcaat gataaaaaaaaa aaaatgtaaa catggattgg      60
cattaatttg caagcagaat cttaatagcc tgatgggttt ttgtttgtt ttttcttcta      120
gaatgargtt aaacgttcgt ttccacctta cgacgggaac c                          161
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<210> 23961

<211> 189

<212> DNA

<213> Homo sapiens

<400> 23961

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tgtctggtcc	ctgaggggcg	tctctcggtc	tgtgcagcca	cccagggatg	atgtggtggt	180
aagtacccc						189

<210> 23962  
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<212> DNA  
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<213> Homo sapiens

<400> 23963  
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ctggcacttg tgcttcaatt tctctcctcc ctgac 215

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<212> DNA  
<213> Homo sapiens

<400> 23964  
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gagtcgcagg cccttggggc scctctgtga gatctcaatg ctgtctgggg accctaagag 180  
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<210> 23965  
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<212> DNA  
<213> Homo sapiens

<400> 23965  
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ttaaatctca agtagaacta tattgtcatt atcacatcta aacagatatc atcaaatacc 180  
tagtgttcag atgttctggg ttgcctcata aattttgttt tctatttggt tcatagtaat 240  
cataatctaa acaagatcca cacagtgcga a 271

<210> 23966  
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<212> DNA  
<213> Homo sapiens

<400> 23966  
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<210> 23967  
<211> 88  
<212> DNA

<213> Homo sapiens

<400> 23967

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<210> 23968

<211> 256

<212> DNA

<213> Homo sapiens

<400> 23968

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tccctctaca gccctagact ttagagtctg aagagccaag ttccttaact cacttgtata	180
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<210> 23969

<211> 179

<212> DNA

<213> Homo sapiens

<400> 23969

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ggttcatatt tctgttttga ctttttctaa cgtctatttt ggtgtaattt caaagctgcc	120
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<210> 23970

<211> 172

<212> DNA

<213> Homo sapiens

<400> 23970

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<210> 23971

<211> 153

<212> DNA

<213> Homo sapiens

<400> 23971

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cgccaggctg gagtgcagtg gcacaatctc ggctctcggc tcaactgcaac ctctgcctcc	120
caggttcaag cgattctcct gcctcagcct cat	153

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<211> 213

<212> DNA

<213> Homo sapiens

<400> 23972

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tagtgcctgg	ctcatactaa	gtactatgta	agtgttagct	ctcattatct	taagctatct	120
ataaaagtat	taaggctaca	ttaagctata	atttgaacac	accctaactt	acatgcctta	180
ggtaaaggaa	aatcacaagt	ttggggggat	tta			213

<210> 23973  
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 <213> Homo sapiens

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cctgggacag	ggagggccca	gggtccagtc	gcctttgtga	agaccagcca	aggttaacat	180
agggtaccac	agctgggcaa	gataagacca	gggtgaggca	taagggtggag	tactcccct	240
ggctctcttca	catccccccg	cttctttcat	ggggtagaaa	ggagacagaa	ggcagacacc	300
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 <212> DNA  
 <213> Homo sapiens

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ccctacctag	aatgtcagat	gtttttcagt	tatctcccca	tttgtcaaag	ttgacctcaa	180
gataacattt	ttcattaaag	catctgagat	ctaagaacac	aattrktatt	ctaacaatga	240
ttattagctc	attcacttat	tttgataact	aatgatcaca	gctattatac	tactttctcg	300
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<210> 23975  
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 <212> DNA  
 <213> Homo sapiens

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accttagcca	atgccgtttc	agggaaagga	ccctgatggg	ggaaggtagag	gaactggaga	180
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gg						242

<210> 23976  
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 <212> DNA  
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<212> DNA  
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acaggggaag aggcgtgcga gagac 145

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aatgggaaac ttgggggtgga gagagcatac ttattgggct gtgaaggcat acggatgtac 180  
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<210> 23979  
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<212> DNA  
<213> Homo sapiens

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aaagga 126

<210> 23980  
<211> 122  
<212> DNA  
<213> Homo sapiens

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gcgattaaaa atatatataa garaattatt agccatgtgt aacatattta aataatgacc 120  
aa 122

<210> 23981  
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<212> DNA  
<213> Homo sapiens

<400> 23981  
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gcggtgttcc ttctacacag aggctga 147

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acctcttgct atttattcct tctaacgtc 149

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ctccaggagc mtcttgcccc ctaagcaaac accttcagct tttctcttca ctgcaggaga 180  
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<212> DNA  
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<210> 23986  
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<212> DNA  
<213> Homo sapiens

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agcttgatg cwartgggag gaaatgggca ttacataaaa tatttataaa taaaaatar 180  
acaaccaact cttatagtaa taaatactag gaaggctggg cgcggtggct cacacctaca 240  
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<210> 23987  
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<212> DNA

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<400> 23987

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<210> 23988

<211> 277

<212> DNA

<213> Homo sapiens

<400> 23988

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gtcactgtcc	ctatgcagag	ctgtaccaag	atctgcactc	agaaaatttt	gaggaaaatt	180
gtttaatagg	gttggagtga	tataaccttt	gttttcatta	ttcatgtatt	ctgtttttca	240
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<211> 315

<212> DNA

<213> Homo sapiens

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tctttctcat	gctgtgcagt	atgtatttct	tgaaagatcg	ccaaagactg	atttcaccct	240
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<210> 23990

<211> 235

<212> DNA

<213> Homo sapiens

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gtccctcccc	gctcccgcct	tccctctgta	gtagtccgg	ctgccctggg	ccatcgctta	180
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<210> 23991

<211> 237

<212> DNA

<213> Homo sapiens

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ggttttttaa	atataatttt	ctttttccag	tttcccattt	ttattaaaag	acaaatcatg	180
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cagagttggg gtcttttaaa catcctcatg ttgcaaacc acgacttcaa atggcctctc 180  
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agtgatacta catgactacg ccgacacaga gctcctgctt tcccagaaa acgtggacca 180  
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aaaaagggac agtaattcat tctacgttaa gtaaaaaatc tacacaggca cgcacatgca 180  
cttactaaat ataaccagtg aaaaattgtt tcaaggcttg ttttgtctat aagaggaggc 240  
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cccagtctgm acccccagtt gaccttcaca gcacctgcc ctmamacctc cacatcccag 180  
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ctcagctctg cacctgccga gtctcagtgg cttttaccaa cagaggtgta gttccactta 180  
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<210> 23998  
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<400> 23999  
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<210> 24000  
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<212> DNA  
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ctctgctaa 129

<210> 24001  
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<212> DNA  
<213> Homo sapiens

<400> 24001  
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ctgtctggcg gcaagtagcc ttgagtgc 88

<210> 24002

<211> 141  
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<210> 24003  
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caagttgggt tagaaggaat taaagaatca acttacacag aag 163

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ggcccaaatt cctcatggc agccatcagc t 151

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<212> DNA  
<213> Homo sapiens

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agaatctgtg taaagcagaa aacagtagaa taacaccagg acaact 166

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taattaaaat gttataggac actc 324

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<212> DNA  
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<212> DNA  
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ccatactaga	gttcatggat	atgtttatact	gaaccaggcc	agagcaaaca	gaahaagaag	240
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 <212> DNA  
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gcttttctgc	tgt 133

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atgtatctga	atacctcctt ccttcccc 268

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attttatgta	aatgtgtaag ttgattttta ggtatatata acagataatc tarataatat 180
aaagcct	

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 <213> Homo sapiens

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acatgaaatg	ccagattatg aacagaaatt agattggctc atgtggaatt gaaacaaaaa 240
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<210> 24022  
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<212> DNA  
<213> Homo sapiens

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attagttaat agattgataa attgactcag gtttaagtggg attattttctt agattatata 180  
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<212> DNA  
<213> Homo sapiens

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t 121

<210> 24024  
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<212> DNA  
<213> Homo sapiens

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gtcatcaaga gatagggtct cctggaggac ctgggagtcg ggatgtggcc gccaggtaaa 180  
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<210> 24025  
<211> 346  
<212> DNA  
<213> Homo sapiens

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<210> 24026  
<211> 363  
<212> DNA  
<213> Homo sapiens

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